

# used\_car\_prediction\_model

July 10, 2023

```
[ ]: # For the purpose of the assignment i will remove annoying warning
import warnings
warnings.filterwarnings('ignore')
```

## 1 Second Hand Card Price Predictor

When looking for a second hand car it's common to know how old the care is, how many kilometers it has, the brand of the car and some cases people would look at the type of fuel, whether it's manual or shift and small details. For this assignment, I will build a model to prediuct the price of second hand cars. I will do this utilizing deep learning algorithms.

Resources will be linked and where I got the data will be included. Tutorial used: <https://thinkingneuron.com/using-artificial-neural-networks-for-regression-in-python/> Plus countless, stackoverflows, youtube, and my favorite Medium articles.

### 1.0.1 Exploratory Data Analysis

In this phase, I will perform a basic exploratory data analysis to figure out what the data looks like, and to find anything interesting then prepare the data for modelling phase

```
[ ]: # Reading the dataset
import pandas as pd
import numpy as np

from sklearn.metrics import mean_absolute_error
import matplotlib.pyplot as plt
%matplotlib inline

[ ]: dataset = pd.read_csv('CarPricesData.csv')
```

Data description The business meaning of each column in the data is as below

Price: The Price of the car in dollars

Age: The age of the car in months

KM: How many KMS did the car was used

FuelType: Petrol/Diesel/CNG car

HP: Horse power of the car

MetColor: Whether car has metallic color or not

Automatic: Whether car has automatic transmission or not

CC: The engine size of the car

Doors: The number of doors in the car

Weight: The weight of the car

There are four commands which are commonly used data exploration

head() + tail() : This helps to see a few sample rows of the data

info() : This provides the summarized information of the data

describe() : This provides the descriptive statistical details of the data

nunique(): This helps us to identify if a column is categorical or continuous

```
[ ]: dataset.head(10)
```

```
[ ]:      Price    Age      KM FuelType  HP  MetColor  Automatic      CC  Doors  \
0   13500   23.0   46986   Diesel    90         1         0   2000.0     3
1   13750   23.0   72937   Diesel    90         1         0   2000.0     3
2   13950   24.0   41711   Diesel    90         1         0   2000.0     3
3   14950   26.0   48000   Diesel    90         0         0   2000.0     3
4   13750   30.0   38500   Diesel    90         0         0   2000.0     3
5   12950   32.0   61000   Diesel    90         0         0   2000.0     3
6   16900   27.0   94612   Diesel    90         1         0   2000.0     3
7   18600   30.0   75889   Diesel    90         1         0   2000.0     3
8   21500   27.0   19700   Petrol   192         0         0   1800.0     3
9   12950   23.0   71138   Diesel    69         0         0   1900.0     3

      Weight
0   1165.0
1   1165.0
2   1165.0
3   1165.0
4   1170.0
5   1170.0
6   1245.0
7   1245.0
8   1185.0
9   1105.0
```

```
[ ]: dataset.tail(10)
```

```
[ ]:      Price    Age      KM FuelType  HP  MetColor  Automatic      CC  Doors  \
1426   9950   78.0   30964   Petrol   110         0         1   1600.0     3
1427   8950   71.0   29000   Petrol    86         1         1   1300.0     3
1428   8450   72.0   26000   Petrol    86         0         0   1300.0     3
1429   8950   78.0   24000   Petrol    86         1         1   1300.0     5
1430   8450   80.0   23000   Petrol    86         0         0   1300.0     3
```

1431	7500	69.0	20544	Petrol	86	1	0	1300.0	3
1432	10845	72.0	19000	Petrol	86	0	0	1300.0	3
1433	8500	71.0	17016	Petrol	86	0	0	1300.0	3
1434	7250	70.0	16916	Petrol	86	1	0	1300.0	3
1435	6950	76.0	1	Petrol	110	0	0	1600.0	5

	Weight
1426	1080.0
1427	1045.0
1428	1015.0
1429	1065.0
1430	1015.0
1431	1025.0
1432	1015.0
1433	1015.0
1434	1015.0
1435	1114.0

```
[ ]: dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1436 entries, 0 to 1435
Data columns (total 10 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Price       1436 non-null   int64
1   Age         1434 non-null   float64
2   KM          1436 non-null   int64
3   FuelType    1432 non-null   object
4   HP          1436 non-null   int64
5   MetColor    1436 non-null   int64
6   Automatic   1436 non-null   int64
7   CC          1434 non-null   float64
8   Doors       1436 non-null   int64
9   Weight      1434 non-null   float64
dtypes: float64(3), int64(6), object(1)
memory usage: 112.3+ KB
```

We can see there is 1436 rows, thats not a lot of data. Actually too lil bit in my opinion. But we can also see we have missing data in some columns, and we have 3 data types: integer, float and object.

```
[ ]: dataset.describe(include='all')
```

	Price	Age	KM	FuelType	HP	\
count	1436.000000	1434.000000	1436.000000	1432	1436.000000	
unique	NaN	NaN	NaN	3	NaN	
top	NaN	NaN	NaN	Petrol	NaN	

freq	NaN	NaN	NaN	1260	NaN
mean	10730.824513	55.986750	68533.259749	NaN	101.502089
std	3626.964585	18.581796	37506.448872	NaN	14.981080
min	4350.000000	1.000000	1.000000	NaN	69.000000
25%	8450.000000	44.000000	43000.000000	NaN	90.000000
50%	9900.000000	61.000000	63389.500000	NaN	110.000000
75%	11950.000000	70.000000	87020.750000	NaN	110.000000
max	32500.000000	80.000000	243000.000000	NaN	192.000000

	MetColor	Automatic	CC	Doors	Weight
count	1436.000000	1436.000000	1434.000000	1436.000000	1434.000000
unique	NaN	NaN	NaN	NaN	NaN
top	NaN	NaN	NaN	NaN	NaN
freq	NaN	NaN	NaN	NaN	NaN
mean	0.674791	0.055710	1566.990934	4.033426	1072.487448
std	0.468616	0.229441	187.178221	0.952677	52.672475
min	0.000000	0.000000	1300.000000	2.000000	1000.000000
25%	0.000000	0.000000	1400.000000	3.000000	1040.000000
50%	1.000000	0.000000	1600.000000	4.000000	1070.000000
75%	1.000000	0.000000	1600.000000	5.000000	1085.000000
max	1.000000	1.000000	2000.000000	5.000000	1615.000000

```
[ ]: # Unique data values
dataset.nunique()
```

```
[ ]: Price      236
Age           77
KM           1263
FuelType       3
HP             12
MetColor       2
Automatic       2
CC             12
Doors           4
Weight         59
dtype: int64
```

**Bar Charts Interpretation** These bar charts represent the frequencies of each category in the Y-axis and the category names in the X-axis.

Since we want to predict the price of second hand cars, we can conclude that price is the most important variable here, the target variable. Let's dig deeper into the dataset by looking at the distribution of some columns and of price.

Price: Continuous. (Target Variable)

Age: Continuous.

KM: Continuous.

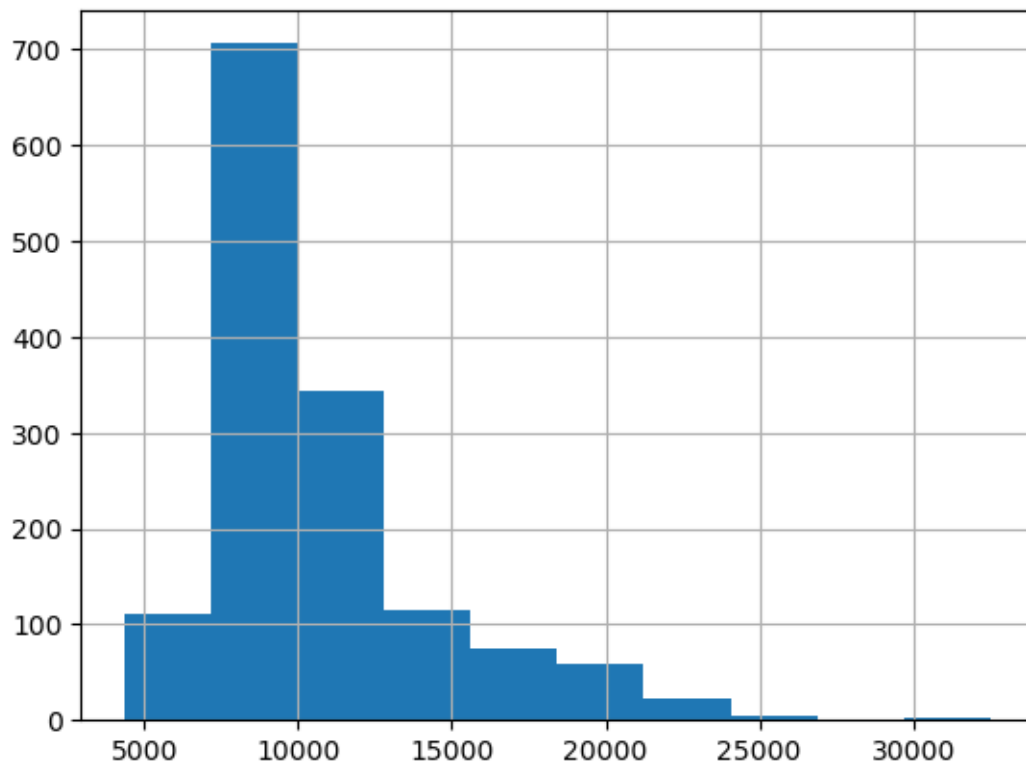
FuelType: Categorical.  
HP: Categorical.  
MetColor: Categorical.  
Automatic: Categorical.  
CC: Categorical.  
Doors: Categorical.  
Weight: Continuous.

---

Below is distribution of the price

```
[ ]: # Creating Bar chart as the Target variable is Continuous
%matplotlib inline
dataset['Price'].hist()
```

```
[ ]: <AxesSubplot:>
```



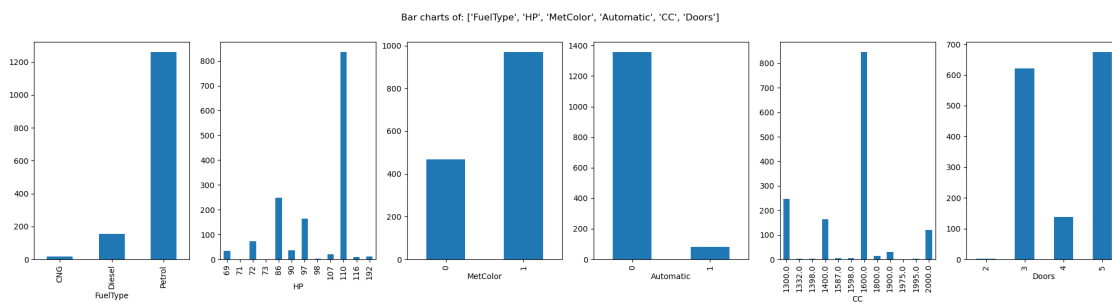
Based on the basic data analysis above, there are six categorical predictors in the data.

Categorical Predictors: 'FuelType', 'HP', 'MetColor', 'Automatic', 'CC', 'Doors'

```
[ ]: # Plotting multiple bar charts at once
def BarChartsPlotter(inputData, columnsToPlot):
    # Generating multiple subplots
    fig, subPlot = plt.subplots(nrows = 1, ncols = len(columnsToPlot), figsize=(25,5))
    fig.suptitle('Bar charts of: ' + str(columnsToPlot))

    for colName, plotNumber in zip(columnsToPlot, range(len(columnsToPlot))):
        inputData.groupby(colName).size().plot(kind = 'bar', ax = subPlot[plotNumber])
```

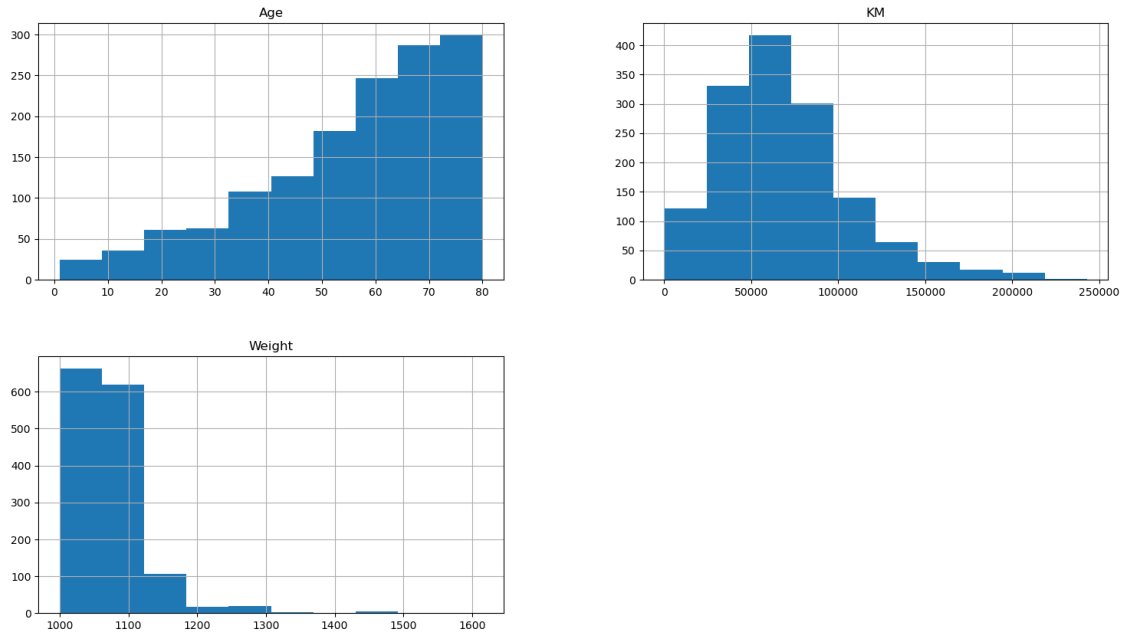
```
[ ]: BarChartsPlotter(inputData = dataset, columnsToPlot=['FuelType', 'HP', 'MetColor', 'Automatic', 'CC', 'Doors'])
```



**Histogram Interpretation** Based on the data analysis there are 3 continuous predictor variables: 'Age', 'KM', and 'Weight'.

```
[ ]: # Plotting histograms of multiple columns together
dataset.hist(['Age', 'KM', 'Weight'], figsize=(18,10))
```

```
[ ]: array([[<AxesSubplot:title={'center': 'Age'}>,
            <AxesSubplot:title={'center': 'KM'}>],
          [<AxesSubplot:title={'center': 'Weight'}>, <AxesSubplot:>]],
          dtype=object)
```



Histograms shows us the data distribution for a single continuous variable.

The X-axis shows the range of values and Y-axis represent the number of values in that range. For example, in the above histogram of “Age”, there are around 300 rows in data that has a value between 70 to 80.

Selected Continuous Variables:

Age, KM, Weight.

Lets look for missing values and treat them if they are missing

```
[ ]: # so yes they are missing values
dataset.isnull().values.any()
```

```
[ ]: True
```

```
[ ]: dataset.isnull().sum().sum()
```

```
[ ]: 10
```

The columns fuel type, age, cc (engine size), and weight has missing values.

```
[ ]: # Finding how many missing values are there for each column
dataset.isnull().sum()
```

```
[ ]: Price      0
     Age        2
     KM         0
```

```
FuelType      4
HP            0
MetColor      0
Automatic     0
CC            2
Doors         0
Weight        2
dtype: int64
```

```
[ ]: # Treating missing values of categorical variable with MODE value
dataset['FuelType'].fillna(value=dataset['FuelType'].mode()[0], inplace=True)
dataset['CC'].fillna(value=dataset['CC'].mode()[0], inplace=True)
```

```
[ ]: # Treating missing values of continuous variable with Median value
dataset['Weight'].fillna(value=dataset['Weight'].median(), inplace=True)
dataset['Age'].fillna(value=dataset['Age'].median(), inplace=True)
```

```
[ ]: # Checking missing values again after the treatment
dataset.isnull().sum()
```

```
[ ]: Price      0
Age           0
KM            0
FuelType      0
HP            0
MetColor      0
Automatic     0
CC            0
Doors         0
Weight        0
dtype: int64
```

```
[ ]: df = dataset
df.head()
```

```
[ ]:   Price  Age    KM FuelType  HP  MetColor  Automatic    CC  Doors  Weight
0  13500  23.0  46986   Diesel   90         1         0  2000.0     3  1165.0
1  13750  23.0  72937   Diesel   90         1         0  2000.0     3  1165.0
2  13950  24.0  41711   Diesel   90         1         0  2000.0     3  1165.0
3  14950  26.0  48000   Diesel   90         0         0  2000.0     3  1165.0
4  13750  30.0  38500   Diesel   90         0         0  2000.0     3  1170.0
```

```
[ ]: df.shape
```

```
[ ]: (1436, 10)
```



## 1.0.2 Feature Selection Methods

<https://towardsdatascience.com/feature-selection-correlation-and-p-value-da8921bfb3cf>

<https://www.sciencedirect.com/topics/computer-science/pearson-correlation#:~:text=The%20Pearson%20correlation%20measures%20the,meaning%20a%20total%20positive%20c>

Now we will choose the best columns(Features) which are correlated to the Target variable. This can be done directly by measuring the correlation values.

**Visual exploration of relationship between variables** Continuous Vs Continuous — Scatter Plot

Categorical Vs Continuous — Box Plot

Categorical Vs Categorical — Grouped Bar Plots

**Statistical measurement of relationship strength between variables** Continuous Vs Continuous — Correlation matrix

Categorical Vs Continuous — ANOVA test

Categorical Vs Categorical — Chi-Square test

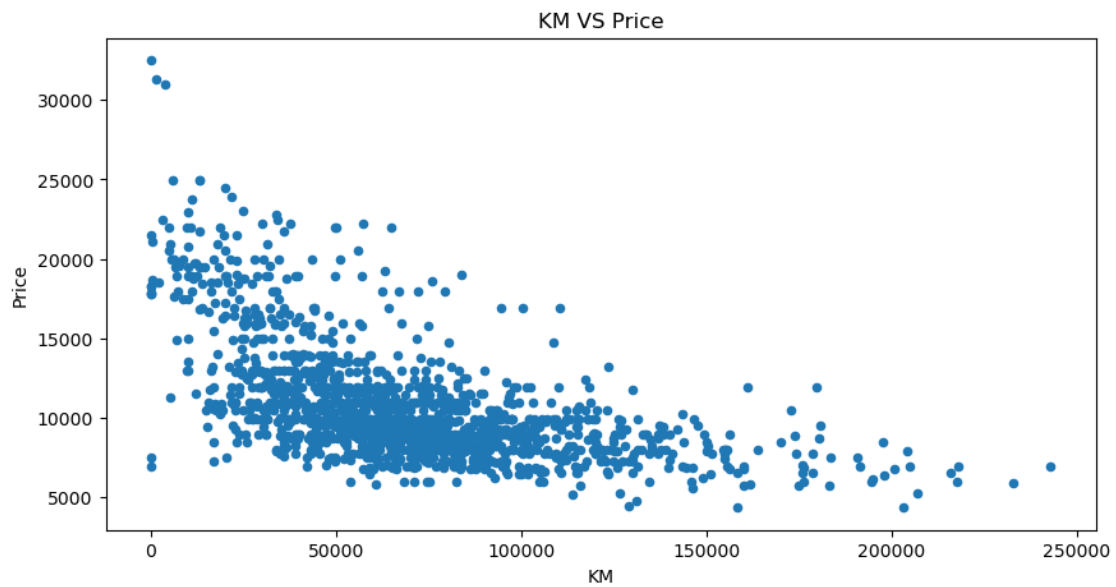
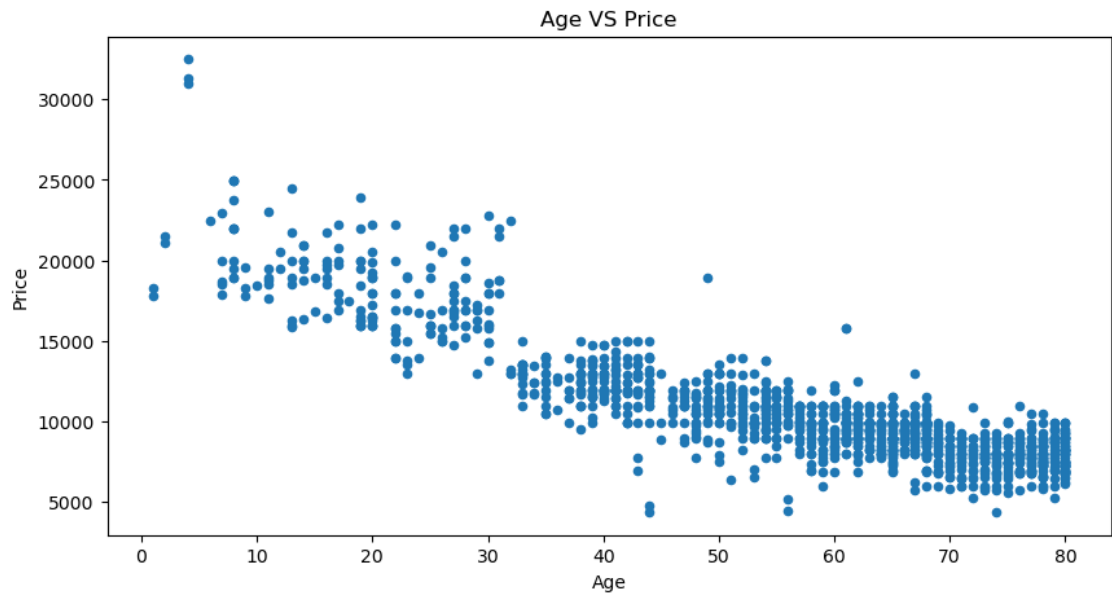
In this case study the Target variable is Continuous, hence below two scenarios will be present  
Continuous Target Variable Vs Continuous Predictor Continuous Target Variable Vs Categorical Predictor

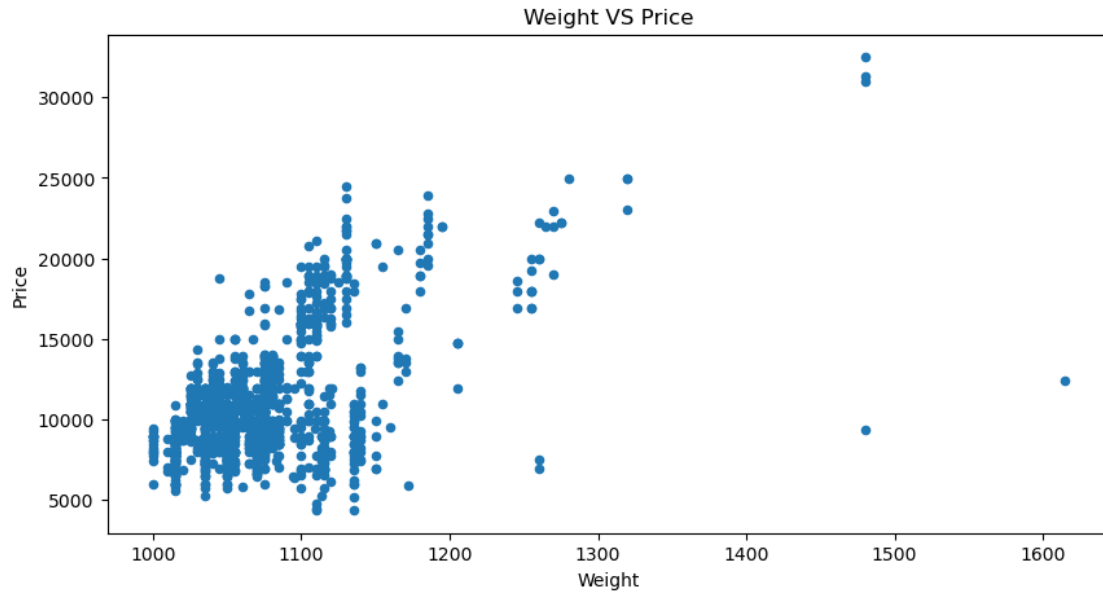
**Relationship exploration: Continuous Vs Continuous – Scatter Charts** When the Target variable is continuous and the predictor is also continuous, we can visualize the relationship between the two variables using scatter plot and measure the strength of relation using pearson's correlation value.

### Scatter charts interpretation

```
[ ]: ContinuousColumns=['Age', 'KM', 'Weight']

# Plotting scatter chart for each predictor vs the target variable
for predictor in ContinuousColumns:
    df.plot.scatter(x = predictor, y = 'Price', figsize = (10,5), title = "
    ↪predictor+" VS "+"Price')
```





What should you look for in these scatter charts?

Trend. You should try to see if there is a visible trend or not. There could be three scenarios

Increasing Trend: They are directly proportional to each other, if one value increases, other also increases.

Decreasing Trend: They are inversely proportional to each other, if one value increases, other decreases.

No Trend: This means there is no correlation between the variables.

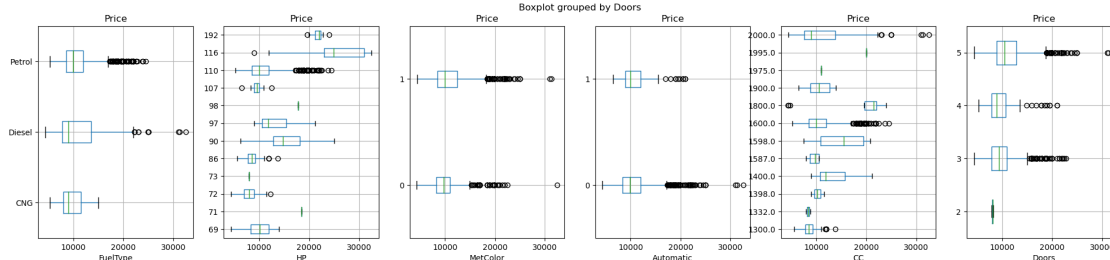
We can see that there are some outliers in the weight x price scatter plot

**Relationship exploration: Categorical Vs Continuous – Box Plots** When the target variable is Continuous and the predictor variable is Categorical we analyze the relation using Boxplots and measure the strength of relation using Anova test

```
[ ]: # Box plots for Categorical Target Variable "Price" and continuous predictors
CategoricalColsList=['FuelType', 'HP', 'MetColor', 'Automatic', 'CC', 'Doors']

import matplotlib.pyplot as plt
fig, PlotCanvas=plt.subplots(nrows=1, ncols=6, figsize=(24,5))

# Creating box plots for each continuous predictor against the Target Variable
# "Price"
for PredictorCol , i in zip(CategoricalColsList,
    range(len(CategoricalColsList))):
    df.boxplot(column='Price', by=PredictorCol, figsize=(5,5), vert=False,
    ax=PlotCanvas[i])
```



What should you look for in these box plots?

If the distribution looks similar for each category (Boxes are in the same line), that means the continuous variable has NO effect on the target variable. Hence, the variables are not correlated to each other.

On the other hand if the distribution is different for each category (the boxes are not in same line!). It hints that these variables might be correlated with Price.

In this data, all the categorical predictors look correlated with the Target variable except “Fuel-type”, “MetColor”, “Automatic” and possibly “Doors” they seem like a border case, as the boxes are close to each other.

Let's look at the ANOVA test below to confirm my thoughts

**Statistical Feature Selection (Categorical Vs Continuous) using ANOVA test** Analysis of variance (ANOVA) is performed to check if there is any relationship between the given continuous and categorical variable

<https://machinelearningmastery.com/feature-selection-with-numerical-input-data/>

<https://www.analyticsvidhya.com/blog/2021/06/feature-selection-using-statistical-tests/>

<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/full/10.1002/cem.3019#:~:text=ANOVA%20tables%20and%20ANOVA%20test,table=1>

```
[ ]: # Defining a function to find the statistical relationship with all the categorical variables
def FunctionAnova(inputData, TargetVariable, CategoricalPredictorList):
    from scipy.stats import f_oneway

    # Creating an empty list of final selected predictors
    SelectedPredictors=[]

    print('##### ANOVA Results ##### \n')
    for predictor in CategoricalPredictorList:
        CategoryGroupLists=inputData.groupby(predictor)[TargetVariable].
        apply(list)
        AnovaResults = f_oneway(*CategoryGroupLists)

    # If the ANOVA P-Value is <0.05, that means we reject H0
```

```

        if (AnovaResults[1] < 0.05):
            print(predictor, 'is correlated with', TargetVariable, '| P-Value:
↪', AnovaResults[1])
            SelectedPredictors.append(predictor)
        else:
            print(predictor, 'is NOT correlated with', TargetVariable, '|
↪P-Value:', AnovaResults[1])

    return(SelectedPredictors)

```

```

[ ]: # Calling the function to check which categorical variables are correlated with
↪target
CategoricalPredictorList=['FuelType', 'HP', 'MetColor', 'Automatic', 'CC',
↪'Doors']
FunctionAnova(inputData=df, TargetVariable='Price',
↪CategoricalPredictorList=CategoricalPredictorList)

```

##### ANOVA Results #####

```

FuelType is correlated with Price | P-Value: 0.044583699346313316
HP is correlated with Price | P-Value: 2.147973807158519e-112
MetColor is correlated with Price | P-Value: 3.5400828979534804e-05
Automatic is NOT correlated with Price | P-Value: 0.2102673589326726
CC is correlated with Price | P-Value: 3.931461326875801e-47
Doors is correlated with Price | P-Value: 5.605466564639052e-13

```

```

[ ]: ['FuelType', 'HP', 'MetColor', 'CC', 'Doors']

```

The results of ANOVA confirm our visual analysis using box plots above.

All categorical variables are correlated with the Target variable except “Automatic”. Fuel type and met color is correlated which is a bit strange if we take the boxplot into account.

Final selected Categorical columns:

‘HP’, ‘MetColor’, ‘CC’, ‘Doors’, ‘FuelType’

```

[ ]: SelectedColumns=['Age', 'KM', 'Weight', 'HP', 'MetColor', 'CC', 'Doors',
↪'FuelType']

# Selecting final columns
data4dl=df[SelectedColumns]
data4dl.head()

```

```

[ ]:
   Age   KM  Weight  HP  MetColor   CC  Doors FuelType
0  23.0  46986  1165.0  90         1  2000.0     3   Diesel
1  23.0  72937  1165.0  90         1  2000.0     3   Diesel
2  24.0  41711  1165.0  90         1  2000.0     3   Diesel
3  26.0  48000  1165.0  90         0  2000.0     3   Diesel

```

```
4  30.0  38500  1170.0  90          0  2000.0      3  Diesel
```

```
[ ]: # Saving this final data for reference during deployment
data4dl.to_pickle('data_for_deep_learning.pkl')
```

```
[ ]: # Treating all the nominal variables at once using dummy variables
DataForML_Numeric=pd.get_dummies(data4dl)

# Adding Target Variable to the data
DataForML_Numeric['Price']=dataset['Price']

# Printing sample rows
DataForML_Numeric.head()
```

```
[ ]:      Age      KM  Weight  HP  MetColor      CC  Doors  FuelType_CNG  \
0   23.0  46986  1165.0  90          1  2000.0      3          0
1   23.0  72937  1165.0  90          1  2000.0      3          0
2   24.0  41711  1165.0  90          1  2000.0      3          0
3   26.0  48000  1165.0  90          0  2000.0      3          0
4   30.0  38500  1170.0  90          0  2000.0      3          0

      FuelType_Diesel  FuelType_Petrol  Price
0                   1                 0  13500
1                   1                 0  13750
2                   1                 0  13950
3                   1                 0  14950
4                   1                 0  13750
```

**Standardizing** Lets standardize the data. Based on research this is a common practice for neural networks.

<https://machinelearningmastery.com/how-to-improve-neural-network-stability-and-modeling-performance-with-data-scaling/>

```
[ ]: # Separate Target Variable and Predictor Variables
TargetVariable=['Price']
Predictors=['Age', 'KM', 'Weight', 'HP', 'MetColor', 'CC', 'Doors',
            'FuelType_CNG', 'FuelType_Diesel', 'FuelType_Petrol']

X = DataForML_Numeric[Predictors].values
y = DataForML_Numeric[TargetVariable].values

### Sandardization of data ###
from sklearn.preprocessing import StandardScaler
PredictorScaler=StandardScaler()
TargetVarScaler=StandardScaler()
```

```
# Storing the fit object for later reference
PredictorScalerFit=PredictorScaler.fit(X)
TargetVarScalerFit=TargetVarScaler.fit(y)

# Generating the standardized values of X and y
X = PredictorScalerFit.transform(X)
y = TargetVarScalerFit.transform(y)
```

**Splitting data** Splitting the data into 80% training and 20% testing data

```
[ ]: # Split the data into training and testing set
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
    random_state=42)
```

```
[ ]: # Quick sanity check with the shapes of Training and testing datasets
print(X_train.shape)
print(y_train.shape)
print(X_test.shape)
print(y_test.shape)
```

(1148, 10)

(1148, 1)

(288, 10)

(288, 1)

### 1.0.3 Model Building

Define parameters:

- units=5: This means we are creating a layer with five neurons in it.
- input\_dim=10: This means there are seven predictors in the input data which is expected by the first layer.
- kernel\_initializer='normal': When the Neurons start their computation, some algorithm has to decide the value for each weight. This parameter specifies that. You can choose different values for it like 'normal' or 'glorot\_uniform'.
- activation='relu': This specifies the activation function for the calculations inside each neuron. You can choose values like 'relu', 'tanh', 'sigmoid', etc.
- batch\_size=20: This specifies how many rows will be passed to the Network.
- Epochs=50: In simple terms, the ANN looks at the full training data 50 times and adjusts its weights.

<https://datascience.aero/aviation-function-deep-learning/>

```
[ ]: # importing the libraries
from keras.models import Sequential
```

```

from keras.layers import Dense

# create model
model = Sequential()

# Defining the input layer
model.add(Dense(units=5, input_dim=10, kernel_initializer='normal',
    ↪activation='relu'))

# Defining the hidden layer
model.add(Dense(units=5, kernel_initializer='normal', activation='relu'))

# Defining the output layer
model.add(Dense(1, kernel_initializer='normal'))

# Compiling the model
model.compile(loss='mean_squared_error', optimizer='adam')

# Fitting the ANN to the Training set
model.fit(X_train, y_train ,batch_size = 20, epochs = 50, verbose=1)

```

Using TensorFlow backend.

2022-09-18 21:27:53.957977: I tensorflow/core/platform/cpu\_feature\_guard.cc:145] This TensorFlow binary is optimized with Intel(R) MKL-DNN to use the following CPU instructions in performance critical operations: SSE4.1 SSE4.2 To enable them in non-MKL-DNN operations, rebuild TensorFlow with the appropriate compiler flags.

2022-09-18 21:27:53.958446: I tensorflow/core/common\_runtime/process\_util.cc:115] Creating new thread pool with default inter op setting: 8. Tune using inter\_op\_parallelism\_threads for best performance.

```

Epoch 1/50
1148/1148 [=====] - 0s 345us/step - loss: 0.9930
Epoch 2/50
1148/1148 [=====] - 0s 59us/step - loss: 0.9418
Epoch 3/50
1148/1148 [=====] - 0s 57us/step - loss: 0.7675
Epoch 4/50
1148/1148 [=====] - 0s 58us/step - loss: 0.5911
Epoch 5/50
1148/1148 [=====] - 0s 61us/step - loss: 0.4476
Epoch 6/50
1148/1148 [=====] - 0s 59us/step - loss: 0.3258
Epoch 7/50
1148/1148 [=====] - 0s 59us/step - loss: 0.2392
Epoch 8/50
1148/1148 [=====] - 0s 60us/step - loss: 0.1864

```



Epoch 9/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1570  
Epoch 10/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1423  
Epoch 11/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1342  
Epoch 12/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1289  
Epoch 13/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1246  
Epoch 14/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1228  
Epoch 15/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1210  
Epoch 16/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1189  
Epoch 17/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1177  
Epoch 18/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1161  
Epoch 19/50  
1148/1148 [=====] - 0s 59us/step - loss: 0.1142  
Epoch 20/50  
1148/1148 [=====] - 0s 61us/step - loss: 0.1127  
Epoch 21/50  
1148/1148 [=====] - 0s 63us/step - loss: 0.1111  
Epoch 22/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1096  
Epoch 23/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1078  
Epoch 24/50  
1148/1148 [=====] - 0s 58us/step - loss: 0.1065  
Epoch 25/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1053  
Epoch 26/50  
1148/1148 [=====] - 0s 63us/step - loss: 0.1050  
Epoch 27/50  
1148/1148 [=====] - 0s 62us/step - loss: 0.1043  
Epoch 28/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1032  
Epoch 29/50  
1148/1148 [=====] - 0s 61us/step - loss: 0.1021  
Epoch 30/50  
1148/1148 [=====] - 0s 63us/step - loss: 0.1017  
Epoch 31/50  
1148/1148 [=====] - 0s 60us/step - loss: 0.1006  
Epoch 32/50  
1148/1148 [=====] - 0s 61us/step - loss: 0.1001

```

Epoch 33/50
1148/1148 [=====] - 0s 59us/step - loss: 0.1010
Epoch 34/50
1148/1148 [=====] - 0s 62us/step - loss: 0.0990
Epoch 35/50
1148/1148 [=====] - 0s 65us/step - loss: 0.0999
Epoch 36/50
1148/1148 [=====] - 0s 73us/step - loss: 0.0988
Epoch 37/50
1148/1148 [=====] - 0s 60us/step - loss: 0.0985
Epoch 38/50
1148/1148 [=====] - 0s 72us/step - loss: 0.0987
Epoch 39/50
1148/1148 [=====] - 0s 67us/step - loss: 0.0980
Epoch 40/50
1148/1148 [=====] - 0s 67us/step - loss: 0.0976
Epoch 41/50
1148/1148 [=====] - 0s 65us/step - loss: 0.0978
Epoch 42/50
1148/1148 [=====] - 0s 60us/step - loss: 0.0975
Epoch 43/50
1148/1148 [=====] - 0s 59us/step - loss: 0.0971
Epoch 44/50
1148/1148 [=====] - 0s 65us/step - loss: 0.0979
Epoch 45/50
1148/1148 [=====] - 0s 63us/step - loss: 0.0977
Epoch 46/50
1148/1148 [=====] - 0s 59us/step - loss: 0.0970
Epoch 47/50
1148/1148 [=====] - 0s 62us/step - loss: 0.0973
Epoch 48/50
1148/1148 [=====] - 0s 60us/step - loss: 0.0971
Epoch 49/50
1148/1148 [=====] - 0s 64us/step - loss: 0.0966
Epoch 50/50
1148/1148 [=====] - 0s 62us/step - loss: 0.0966

```

```
[ ]: <keras.callbacks.callbacks.History at 0x7f8c161e6290>
```

#### 1.0.4 Model Evaluation

**Searching for the best hyperparameters** Finding the best values for `batch_size` and `epoch` is very important, this can have serious consequences for the performance of the model. There is no magic rule which can help you to decide the number of layers and epochs, you just have to play around and see what works best.

<https://betterdatascience.com/3-ways-to-tune-hyperparameters/>

<https://towardsdatascience.com/a-conceptual-explanation-of-bayesian-model-based->

```
[ ]: # A loop based approach
# Defining a function to find the best parameters
def function_find_best_params(X_train, y_train, X_test, y_test):

    # Defining the list of hyper parameters to try
    batch_size_list=[5, 10, 15, 20]
    epoch_list = [5, 10, 50, 100]

    import pandas as pd
    SearchResultsData = pd.DataFrame(columns=['TrialNumber', 'Parameters',
    ↳'Accuracy'])

    # initializing the trials
    TrialNumber=0
    for batch_size_trial in batch_size_list:
        for epochs_trial in epoch_list:
            TrialNumber+=1
            # create ANN model
            model = Sequential()
            # Defining the first layer of the model
            model.add(Dense(units=5, input_dim=X_train.shape[1],
    ↳kernel_initializer='normal', activation='relu'))

            # Defining the Second layer of the model
            model.add(Dense(units=5, kernel_initializer='normal',
    ↳activation='relu'))

            # The output neuron is a single fully connected node
            # Since we will be predicting a single number
            model.add(Dense(1, kernel_initializer='normal'))

            # Compiling the model
            model.compile(loss='mean_squared_error', optimizer='adam')

            # Fitting the ANN to the Training set
            model.fit(X_train, y_train ,batch_size = batch_size_trial, epochs =
    ↳epochs_trial, verbose=0)

            MAPE = np.mean(100 * (np.abs(y_test-model.predict(X_test))/y_test))

            # printing the results of the current iteration
            print(TrialNumber, 'Parameters:', 'batch_size:',
    ↳batch_size_trial, '-', 'epochs:', epochs_trial, 'Accuracy:', 100-MAPE)
```

```

        SearchResultsData=SearchResultsData.append(pd.
↳DataFrame(data=[[TrialNumber, str(batch_size_trial)+'-'+str(epochs_trial),
↳100-MAPE]]),

                                                                                                     ↳
↳columns=['TrialNumber', 'Parameters', 'Accuracy'] ))
        return(SearchResultsData)

```

```

[ ]: # Results:
ResultsData = function_find_best_params(X_train, y_train, X_test, y_test)

```

```

1 Parameters: batch_size: 5 - epochs: 5 Accuracy: 62.815904593787245
2 Parameters: batch_size: 5 - epochs: 10 Accuracy: 63.82703764002336
3 Parameters: batch_size: 5 - epochs: 50 Accuracy: 75.11623717123254
4 Parameters: batch_size: 5 - epochs: 100 Accuracy: 74.46972123294289
5 Parameters: batch_size: 10 - epochs: 5 Accuracy: 59.37149484240961
6 Parameters: batch_size: 10 - epochs: 10 Accuracy: 60.830322462984974
7 Parameters: batch_size: 10 - epochs: 50 Accuracy: 82.44612362338718
8 Parameters: batch_size: 10 - epochs: 100 Accuracy: 72.566623599674
9 Parameters: batch_size: 15 - epochs: 5 Accuracy: 61.92867301960473
10 Parameters: batch_size: 15 - epochs: 10 Accuracy: 84.31379636835466
11 Parameters: batch_size: 15 - epochs: 50 Accuracy: 60.765902419538776
12 Parameters: batch_size: 15 - epochs: 100 Accuracy: 68.57344706864853
13 Parameters: batch_size: 20 - epochs: 5 Accuracy: 64.63811512867161
14 Parameters: batch_size: 20 - epochs: 10 Accuracy: 58.152033361775494
15 Parameters: batch_size: 20 - epochs: 50 Accuracy: 69.2403194466869
16 Parameters: batch_size: 20 - epochs: 100 Accuracy: 74.25731300672136

```

### Visualizing the results of parameter trials for the model

```

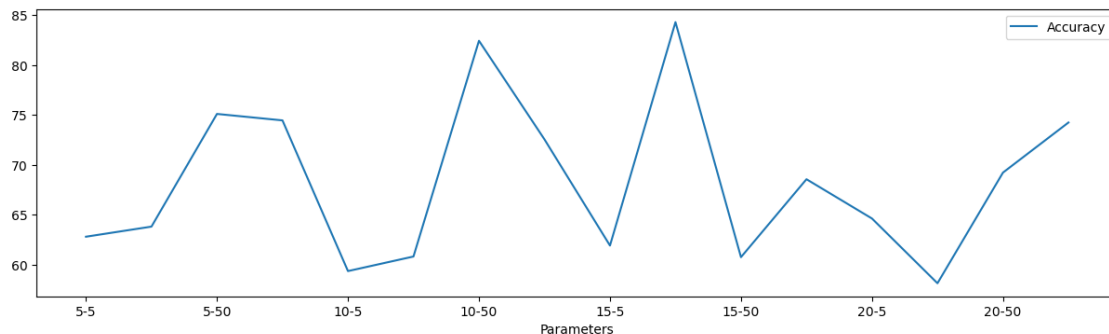
[ ]: # Plot results
%matplotlib inline
ResultsData.plot(x='Parameters', y='Accuracy', figsize=(15,4), kind='line')

```

```

[ ]: <AxesSubplot:xlabel='Parameters'>

```



This graph shows that the best set of parameters are in the area of batch\_size=15 and epochs=10. Next step is to train the model with these parameters.

Next lets train the model with the hyperparams we just found.

```
[ ]: # Fitting the ANN to the Training set
model.fit(X_train, y_train ,batch_size = 15, epochs = 10, verbose=0)

# Generating Predictions on testing data
Predictions=model.predict(X_test)

# Scaling the predicted Price data back to original price scale
Predictions=TargetVarScalerFit.inverse_transform(Predictions)

# Scaling the y_test Price data back to original price scale
y_test_orig=TargetVarScalerFit.inverse_transform(y_test)

# Scaling the test data back to original scale
Test_Data=PredictorScalerFit.inverse_transform(X_test)

TestingData=pd.DataFrame(data=Test_Data, columns=Predictors)
TestingData['Price']=y_test_orig
TestingData['PredictedPrice']=Predictions
TestingData.head()
```

```
[ ]:      Age      KM  Weight      HP  MetColor      CC  Doors  FuelType_CNG  \
0  50.0   22500.0  1025.0   97.0        1.0  1400.0    3.0         0.0
1  68.0   80426.0  1055.0  110.0        1.0  1600.0    3.0         0.0
2  59.0  130000.0  1135.0   72.0        1.0  2000.0    4.0         0.0
3  71.0   76000.0  1070.0  110.0        1.0  1600.0    5.0         0.0
4  65.0   59000.0  1075.0  110.0        0.0  1600.0    5.0         0.0

      FuelType_Diesel  FuelType_Petrol      Price  PredictedPrice
0                0.0                1.0  10800.0    10570.332031
1                0.0                1.0   9950.0     8870.111328
2                1.0                0.0   7500.0     8601.212891
3                0.0                1.0   9250.0     8917.158203
4                0.0                1.0   9750.0     9724.739258
```

The mean absolute percentage error (MAPE) is the most common measure used to forecast error, probably because the variable's units are scaled to percentage units, which makes it easier to understand.

<https://www.statisticshowto.com/mean-absolute-percentage-error-mape/>

<https://www.askpython.com/python/examples/mape-mean-absolute-percentage-error>

```
[ ]: # Computing the absolute percent error
```

```

APE=100*(abs(TestingData['Price']-TestingData['PredictedPrice'])/
↳TestingData['Price'])
TestingData['APE']=APE

print('The Accuracy of ANN model is:', 100-np.mean(APE))
TestingData.head()

```

The Accuracy of ANN model is: 91.63026516846861

```

[ ]:      Age      KM  Weight      HP  MetColor      CC  Doors  FuelType_CNG  \
0  50.0   22500.0  1025.0   97.0      1.0  1400.0    3.0         0.0
1  68.0   80426.0  1055.0  110.0      1.0  1600.0    3.0         0.0
2  59.0  130000.0  1135.0   72.0      1.0  2000.0    4.0         0.0
3  71.0   76000.0  1070.0  110.0      1.0  1600.0    5.0         0.0
4  65.0   59000.0  1075.0  110.0      0.0  1600.0    5.0         0.0

      FuelType_Diesel  FuelType_Petrol      Price  PredictedPrice      APE
0                0.0                1.0  10800.0    10570.332031    2.126555
1                0.0                1.0   9950.0    8870.111328   10.853152
2                1.0                0.0   7500.0    8601.212891   14.682839
3                0.0                1.0   9250.0    8917.158203    3.598290
4                0.0                1.0   9750.0    9724.739258    0.259085

```

**Finding best hyperparameters using GridSearchCV.** The methods above to find the best params are more manual but we can also use Grid Search to find the best params which is widely used in model evaluation.

```

[ ]: # Function to generate model
def make_regression_ann(Optimizer_trial):
    from keras.models import Sequential
    from keras.layers import Dense

    model = Sequential()
    model.add(Dense(units=5, input_dim=10, kernel_initializer='normal',
↳activation='relu'))
    model.add(Dense(units=5, kernel_initializer='normal', activation='relu'))
    model.add(Dense(1, kernel_initializer='normal'))
    model.compile(loss='mean_squared_error', optimizer=Optimizer_trial)
    return model

```

```

[ ]: from sklearn.model_selection import GridSearchCV
from keras.wrappers.scikit_learn import KerasRegressor

# Listing all the parameters to try
Parameter_Trials={'batch_size':[5, 10, 20, 30], 'epochs':[5, 10, 15, 20],
↳'Optimizer_trial':['adam', 'rmsprop']}

```

```
# Creating the regression model
RegressionModel = KerasRegressor(make_regression_ann, verbose=0)
```

```
[ ]: # Creating the Grid search space
grid_search=GridSearchCV(estimator = RegressionModel,
    ↪param_grid=Parameter_Trials, scoring='neg_mean_absolute_error', cv=5,
    ↪n_jobs=-1)

# Measuring how much time it took to find the best params
import time
StartTime=time.time()

# Running Grid Search for different parameters
grid_search.fit(X, y, verbose=1)

EndTime=time.time()
print("##### Total Time Taken: ", round((EndTime-StartTime)/60), 'Minutes')
```

Epoch 1/5

```
5/1149 [...] - ETA: 2:02 - loss: 0.4053Epoch 1/10

5/1148 [...] - ETA: 1:53 - loss: 0.6584Epoch 1/5

5/1149 [...] - ETA: 1:54 - loss: 0.2097Epoch 1/5

5/1149 [...] - ETA: 1:57 - loss: 5.9947
65/1149 [>...] - ETA: 9s - loss: 1.4036
60/1148 [>...] - ETA: 9s - loss: 0.3286 Epoch 1/5

5/1149 [...] - ETA: 1:51 - loss: 0.2736
75/1149 [>...] - ETA: 7s - loss: 1.0288
75/1149 [>...] - ETA: 8s - loss: 1.7485 Epoch 1/10

5/1149 [...] - ETA: 1:59 - loss: 1.1422
125/1149 [==>...] - ETA: 5s - loss: 1.1203
110/1148 [=>...] - ETA: 5s - loss: 0.3255
75/1149 [>...] - ETA: 7s - loss: 1.0677
145/1149 [==>...] - ETA: 4s - loss: 1.4593
135/1149 [==>...] - ETA: 4s - loss: 1.4300
55/1149 [>...] - ETA: 11s - loss: 1.5781
180/1149 [===>...] - ETA: 3s - loss: 1.1033
155/1148 [===>...] - ETA: 4s - loss: 0.3615
155/1149 [===>...] - ETA: 3s - loss: 0.9420
240/1149 [====>...] - ETA: 2s - loss: 1.4132
200/1149 [====>...] - ETA: 3s - loss: 1.1942
100/1149 [=>...] - ETA: 6s - loss: 1.4372 Epoch 1/10
```

5/1149 [...] - ETA: 2:12 - loss: 0.6518Epoch 1/5

5/1148 [...] - ETA: 2:24 - loss: 0.2279

245/1149 [=====>...] - ETA: 2s - loss: 1.0147

210/1148 [=====>...] - ETA: 3s - loss: 0.3686

205/1149 [=====>...] - ETA: 2s - loss: 1.1658

300/1149 [=====>...] - ETA: 2s - loss: 1.4085

240/1149 [=====>...] - ETA: 2s - loss: 1.2286

135/1149 [==>...] - ETA: 5s - loss: 1.3223

80/1149 [=>...] - ETA: 8s - loss: 1.1508

85/1148 [=>...] - ETA: 8s - loss: 0.3918

255/1148 [=====>...] - ETA: 2s - loss: 0.3687

275/1149 [=====>...] - ETA: 2s - loss: 1.0045

250/1149 [=====>...] - ETA: 2s - loss: 1.2057

340/1149 [=====>...] - ETA: 1s - loss: 1.3688

290/1149 [=====>...] - ETA: 2s - loss: 1.2584

190/1149 [=====>...] - ETA: 3s - loss: 1.1182

180/1149 [=====>...] - ETA: 3s - loss: 1.2746

185/1148 [=====>...] - ETA: 3s - loss: 0.3273

305/1148 [=====>...] - ETA: 2s - loss: 0.3741

325/1149 [=====>...] - ETA: 2s - loss: 0.9580

315/1149 [=====>...] - ETA: 1s - loss: 1.1622

400/1149 [=====>...] - ETA: 1s - loss: 1.3353

365/1149 [=====>...] - ETA: 1s - loss: 1.1786

245/1149 [=====>...] - ETA: 2s - loss: 1.1481

245/1149 [=====>...] - ETA: 2s - loss: 1.0879

220/1148 [=====>...] - ETA: 3s - loss: 0.3317

380/1148 [=====>...] - ETA: 1s - loss: 0.3622

405/1149 [=====>...] - ETA: 1s - loss: 0.9403

375/1149 [=====>...] - ETA: 1s - loss: 1.1334

465/1149 [=====>...] - ETA: 1s - loss: 1.3199

455/1149 [=====>...] - ETA: 1s - loss: 1.2302

310/1149 [=====>...] - ETA: 2s - loss: 1.1595

280/1149 [=====>...] - ETA: 2s - loss: 1.2195

240/1148 [=====>...] - ETA: 3s - loss: 0.3347

480/1148 [=====>...] - ETA: 1s - loss: 0.3346

500/1149 [=====>...] - ETA: 1s - loss: 0.9762

415/1149 [=====>...] - ETA: 1s - loss: 1.1304

535/1149 [=====>...] - ETA: 1s - loss: 1.3228

530/1149 [=====>...] - ETA: 1s - loss: 1.1954

370/1149 [=====>...] - ETA: 1s - loss: 1.2077

325/1149 [=====>...] - ETA: 2s - loss: 1.1493

550/1148 [=====>...] - ETA: 1s - loss: 0.3356

265/1148 [=====>...] - ETA: 3s - loss: 0.3238

580/1149 [=====>...] - ETA: 1s - loss: 0.9348

490/1149 [=====>...] - ETA: 1s - loss: 1.1333

580/1149 [=====>...] - ETA: 0s - loss: 1.2838



575/1149 [=====>...] - ETA: 0s - loss: 1.1723  
470/1149 [=====>...] - ETA: 1s - loss: 1.2550  
405/1149 [=====>...] - ETA: 1s - loss: 1.1678  
600/1148 [=====>...] - ETA: 0s - loss: 0.3307  
670/1149 [=====>...] - ETA: 0s - loss: 0.9862  
580/1149 [=====>...] - ETA: 0s - loss: 1.0807  
625/1149 [=====>...] - ETA: 0s - loss: 1.1440  
635/1149 [=====>...] - ETA: 0s - loss: 1.2464  
565/1149 [=====>...] - ETA: 1s - loss: 1.2550  
285/1148 [=====>...] - ETA: 3s - loss: 0.3417  
460/1149 [=====>...] - ETA: 1s - loss: 1.1568  
660/1148 [=====>...] - ETA: 0s - loss: 0.3231  
635/1149 [=====>...] - ETA: 0s - loss: 1.0482  
725/1149 [=====>...] - ETA: 0s - loss: 1.0353  
700/1149 [=====>...] - ETA: 0s - loss: 1.2653  
705/1149 [=====>...] - ETA: 0s - loss: 1.1822  
615/1149 [=====>...] - ETA: 0s - loss: 1.2378  
345/1148 [=====>...] - ETA: 2s - loss: 0.3475  
525/1149 [=====>...] - ETA: 1s - loss: 1.1251  
750/1148 [=====>...] - ETA: 0s - loss: 0.3123  
795/1149 [=====>...] - ETA: 0s - loss: 0.9961  
700/1149 [=====>...] - ETA: 0s - loss: 1.0298  
805/1149 [=====>...] - ETA: 0s - loss: 1.1914  
800/1149 [=====>...] - ETA: 0s - loss: 1.2513  
680/1149 [=====>...] - ETA: 0s - loss: 1.2174  
425/1148 [=====>...] - ETA: 1s - loss: 0.3495  
855/1148 [=====>...] - ETA: 0s - loss: 0.3051  
605/1149 [=====>...] - ETA: 0s - loss: 1.0912  
870/1149 [=====>...] - ETA: 0s - loss: 0.9741  
770/1149 [=====>...] - ETA: 0s - loss: 1.0449  
885/1149 [=====>...] - ETA: 0s - loss: 1.1749  
895/1149 [=====>...] - ETA: 0s - loss: 1.2188  
770/1149 [=====>...] - ETA: 0s - loss: 1.1695  
520/1148 [=====>...] - ETA: 1s - loss: 0.3435  
925/1148 [=====>...] - ETA: 0s - loss: 0.2961  
690/1149 [=====>...] - ETA: 0s - loss: 1.1320  
975/1149 [=====>...] - ETA: 0s - loss: 0.9422  
860/1149 [=====>...] - ETA: 0s - loss: 1.0982  
955/1149 [=====>...] - ETA: 0s - loss: 1.1432  
955/1149 [=====>...] - ETA: 0s - loss: 1.1656  
850/1149 [=====>...] - ETA: 0s - loss: 1.1371  
605/1148 [=====>...] - ETA: 1s - loss: 0.3321  
995/1148 [=====>...] - ETA: 0s - loss: 0.2865  
775/1149 [=====>...] - ETA: 0s - loss: 1.1429  
1075/1149 [=====>...] - ETA: 0s - loss: 0.9807  
955/1149 [=====>...] - ETA: 0s - loss: 1.0968  
1025/1149 [=====>...] - ETA: 0s - loss: 1.1112  
1025/1149 [=====>...] - ETA: 0s - loss: 1.1173

950/1149 [=====>...] - ETA: 0s - loss: 1.1248  
695/1148 [=====>...] - ETA: 0s - loss: 0.3315  
870/1149 [=====>...] - ETA: 0s - loss: 1.1129  
1085/1148 [=====>...] - ETA: 0s - loss: 0.2790  
1030/1149 [=====>...] - ETA: 0s - loss: 1.1460  
1149/1149 [=====] - 1s 1ms/step - loss: 0.9655  
Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 0.2173  
1105/1149 [=====>...] - ETA: 0s - loss: 1.0911  
1115/1149 [=====>...] - ETA: 0s - loss: 1.0687  
1030/1149 [=====>...] - ETA: 0s - loss: 1.1025  
790/1148 [=====>...] - ETA: 0s - loss: 0.3261  
1149/1149 [=====] - 1s 1ms/step - loss: 1.0778  
  
1148/1148 [=====] - 1s 1ms/step - loss: 0.2693  
  
1149/1149 [=====] - 1s 1ms/step - loss: 1.0481  
Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 4.2076Epoch 2/10

5/1148 [...] - ETA: 0s - loss: 0.0465Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 0.1201  
975/1149 [=====>...] - ETA: 0s - loss: 1.0851  
1100/1149 [=====>...] - ETA: 0s - loss: 1.1429  
85/1149 [=>...] - ETA: 0s - loss: 0.3892  
1120/1149 [=====>...] - ETA: 0s - loss: 1.0492  
885/1148 [=====>...] - ETA: 0s - loss: 0.3176  
100/1148 [=>...] - ETA: 0s - loss: 0.1453  
100/1149 [=>...] - ETA: 0s - loss: 0.8113  
100/1149 [=>...] - ETA: 0s - loss: 0.5665  
1055/1149 [=====>...] - ETA: 0s - loss: 1.0447  
1149/1149 [=====] - 1s 1ms/step - loss: 1.1259  
Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 0.3120  
1149/1149 [=====] - 1s 1ms/step - loss: 1.0562  
Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.0085  
170/1149 [===>...] - ETA: 0s - loss: 0.5064  
990/1148 [=====>...] - ETA: 0s - loss: 0.3054  
190/1148 [===>...] - ETA: 0s - loss: 0.1404  
200/1149 [===>...] - ETA: 0s - loss: 0.6567  
1149/1149 [=====] - 1s 1ms/step - loss: 0.9914  
Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.4469  
 100/1149 [=>...] - ETA: 0s - loss: 1.1239  
 190/1149 [==>...] - ETA: 0s - loss: 0.4558  
 100/1149 [=>...] - ETA: 0s - loss: 0.9918  
 245/1149 [====>...] - ETA: 0s - loss: 0.5019  
 1075/1148 [=====>...] - ETA: 0s - loss: 0.2992  
 290/1148 [=====>...] - ETA: 0s - loss: 0.1279  
 305/1149 [=====>...] - ETA: 0s - loss: 0.5668  
 175/1149 [==>...] - ETA: 0s - loss: 0.9731  
 105/1149 [=>...] - ETA: 0s - loss: 0.3806  
 265/1149 [=====>...] - ETA: 0s - loss: 0.5844  
 190/1149 [==>...] - ETA: 0s - loss: 0.8472  
 305/1149 [=====>...] - ETA: 0s - loss: 0.4885  
 1148/1148 [=====] - 2s 1ms/step - loss: 0.2919

390/1148 [=====>...] - ETA: 0s - loss: 0.1235  
 390/1149 [=====>...] - ETA: 0s - loss: 0.5455Epoch 2/5

5/1148 [...] - ETA: 2s - loss: 0.0657  
 260/1149 [=====>...] - ETA: 0s - loss: 1.0057  
 215/1149 [=====>...] - ETA: 0s - loss: 0.3856  
 345/1149 [=====>...] - ETA: 0s - loss: 0.5776  
 285/1149 [=====>...] - ETA: 0s - loss: 0.7678  
 390/1149 [=====>...] - ETA: 0s - loss: 0.5750  
 480/1148 [=====>...] - ETA: 0s - loss: 0.1295  
 490/1149 [=====>...] - ETA: 0s - loss: 0.4787  
 55/1148 [>...] - ETA: 1s - loss: 0.1565  
 335/1149 [=====>...] - ETA: 0s - loss: 0.3373  
 345/1149 [=====>...] - ETA: 0s - loss: 1.0868  
 435/1149 [=====>...] - ETA: 0s - loss: 0.5340  
 365/1149 [=====>...] - ETA: 0s - loss: 0.7191  
 475/1149 [=====>...] - ETA: 0s - loss: 0.5922  
 560/1148 [=====>...] - ETA: 0s - loss: 0.1273  
 580/1149 [=====>...] - ETA: 0s - loss: 0.4552  
 125/1148 [==>...] - ETA: 0s - loss: 0.1729  
 510/1149 [=====>...] - ETA: 0s - loss: 0.4806  
 430/1149 [=====>...] - ETA: 0s - loss: 1.0277  
 425/1149 [=====>...] - ETA: 0s - loss: 0.3096  
 465/1149 [=====>...] - ETA: 0s - loss: 0.7223  
 570/1149 [=====>...] - ETA: 0s - loss: 0.5827  
 665/1148 [=====>...] - ETA: 0s - loss: 0.1288  
 225/1148 [=====>...] - ETA: 0s - loss: 0.1567  
 495/1149 [=====>...] - ETA: 0s - loss: 0.9979  
 590/1149 [=====>...] - ETA: 0s - loss: 0.4527  
 475/1149 [=====>...] - ETA: 0s - loss: 0.3014  
 645/1149 [=====>...] - ETA: 0s - loss: 0.4432  
 665/1149 [=====>...] - ETA: 0s - loss: 0.5321

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560/1149 [=====>...] - ETA: 0s - loss: 0.7074
770/1148 [=====>...] - ETA: 0s - loss: 0.1276
325/1148 [=====>...] - ETA: 0s - loss: 0.1539
690/1149 [=====>...] - ETA: 0s - loss: 0.4098
575/1149 [=====>...] - ETA: 0s - loss: 0.9180
525/1149 [=====>...] - ETA: 0s - loss: 0.3008
705/1149 [=====>...] - ETA: 0s - loss: 0.4172
755/1149 [=====>...] - ETA: 0s - loss: 0.4888
655/1149 [=====>...] - ETA: 0s - loss: 0.6571
855/1148 [=====>...] - ETA: 0s - loss: 0.1242
410/1148 [=====>...] - ETA: 0s - loss: 0.1447
780/1149 [=====>...] - ETA: 0s - loss: 0.3766
665/1149 [=====>...] - ETA: 0s - loss: 0.8971
635/1149 [=====>...] - ETA: 0s - loss: 0.2815
830/1149 [=====>...] - ETA: 0s - loss: 0.3846
855/1149 [=====>...] - ETA: 0s - loss: 0.4635
730/1149 [=====>...] - ETA: 0s - loss: 0.6566
930/1148 [=====>...] - ETA: 0s - loss: 0.1232
885/1149 [=====>...] - ETA: 0s - loss: 0.3458
490/1148 [=====>...] - ETA: 0s - loss: 0.1402
745/1149 [=====>...] - ETA: 0s - loss: 0.8507
750/1149 [=====>...] - ETA: 0s - loss: 0.2636
965/1149 [=====>...] - ETA: 0s - loss: 0.3614
950/1149 [=====>...] - ETA: 0s - loss: 0.4288
785/1149 [=====>...] - ETA: 0s - loss: 0.6224
1005/1148 [=====>...] - ETA: 0s - loss: 0.1209
585/1148 [=====>...] - ETA: 0s - loss: 0.1343
835/1149 [=====>...] - ETA: 0s - loss: 0.8632
965/1149 [=====>...] - ETA: 0s - loss: 0.3313
830/1149 [=====>...] - ETA: 0s - loss: 0.2541
1055/1149 [=====>...] - ETA: 0s - loss: 0.3449
895/1149 [=====>...] - ETA: 0s - loss: 0.5810
1020/1149 [=====>...] - ETA: 0s - loss: 0.4228
1130/1148 [=====>.] - ETA: 0s - loss: 0.1188
700/1148 [=====>...] - ETA: 0s - loss: 0.1300
940/1149 [=====>...] - ETA: 0s - loss: 0.8850
1148/1148 [=====] - 1s 548us/step - loss: 0.1183
Epoch 3/10

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5/1148 [...] - ETA: 0s - loss: 0.0686
1040/1149 [=====>...] - ETA: 0s - loss: 0.3179
895/1149 [=====>...] - ETA: 0s - loss: 0.2462
1120/1149 [=====>.] - ETA: 0s - loss: 0.3314
1020/1149 [=====>...] - ETA: 0s - loss: 0.5315
1090/1149 [=====>..] - ETA: 0s - loss: 0.4047
1149/1149 [=====] - 1s 576us/step - loss: 0.3265
Epoch 3/5

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5/1149 [...] - ETA: 0s - loss: 0.1873  
 820/1148 [=====>...] - ETA: 0s - loss: 0.1347  
 1035/1149 [=====>...] - ETA: 0s - loss: 0.9032  
 125/1148 [==>...] - ETA: 0s - loss: 0.1519  
 965/1149 [=====>...] - ETA: 0s - loss: 0.2389  
 1149/1149 [=====] - 1s 624us/step - loss: 0.3970  
  
 1115/1149 [=====>.] - ETA: 0s - loss: 0.3035Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 0.0648  
 1120/1149 [=====>.] - ETA: 0s - loss: 0.5014  
 1149/1149 [=====] - 1s 609us/step - loss: 0.2964  
 Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 0.1752  
 1149/1149 [=====] - 1s 564us/step - loss: 0.4910  
 Epoch 3/10

5/1149 [...] - ETA: 1s - loss: 0.0619  
 95/1149 [=>...] - ETA: 0s - loss: 0.1578  
 905/1148 [=====>...] - ETA: 0s - loss: 0.1313  
 1130/1149 [=====>.] - ETA: 0s - loss: 0.8842  
 210/1148 [====>...] - ETA: 0s - loss: 0.1197  
 1070/1149 [=====>...] - ETA: 0s - loss: 0.2362  
 105/1149 [=>...] - ETA: 0s - loss: 0.1679  
 1149/1149 [=====] - 1s 596us/step - loss: 0.8887  
 Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 2.1328  
 95/1149 [=>...] - ETA: 0s - loss: 0.1397  
 80/1149 [=>...] - ETA: 0s - loss: 0.3114  
 185/1149 [===>...] - ETA: 0s - loss: 0.1941  
 1149/1149 [=====] - 1s 579us/step - loss: 0.2272  
 Epoch 3/10

5/1149 [...] - ETA: 0s - loss: 0.2098  
 985/1148 [=====>...] - ETA: 0s - loss: 0.1287  
 200/1149 [====>...] - ETA: 0s - loss: 0.1827  
 310/1148 [=====>...] - ETA: 0s - loss: 0.1054  
 90/1149 [=>...] - ETA: 0s - loss: 0.9216  
 180/1149 [===>...] - ETA: 0s - loss: 0.1779  
 175/1149 [===>...] - ETA: 0s - loss: 0.2513  
 265/1149 [=====>...] - ETA: 0s - loss: 0.1958  
 105/1149 [=>...] - ETA: 0s - loss: 0.1829  
 1065/1148 [=====>...] - ETA: 0s - loss: 0.1260  
 385/1148 [=====>...] - ETA: 0s - loss: 0.0962  
 310/1149 [=====>...] - ETA: 0s - loss: 0.1852  
 185/1149 [===>...] - ETA: 0s - loss: 0.7245

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265/1149 [=====>...] - ETA: 0s - loss: 0.1848
295/1149 [=====>...] - ETA: 0s - loss: 0.2417
365/1149 [=====>...] - ETA: 0s - loss: 0.2080
165/1149 [===>...] - ETA: 0s - loss: 0.1549
1125/1148 [=====>...] - ETA: 0s - loss: 0.1246
435/1148 [=====>...] - ETA: 0s - loss: 0.0969
430/1149 [=====>...] - ETA: 0s - loss: 0.1851
1148/1148 [=====] - 1s 603us/step - loss: 0.1239
Epoch 3/5

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5/1148 [...] - ETA: 0s - loss: 0.0698
280/1149 [=====>...] - ETA: 0s - loss: 0.8165
350/1149 [=====>...] - ETA: 0s - loss: 0.1605
405/1149 [=====>...] - ETA: 0s - loss: 0.2415
455/1149 [=====>...] - ETA: 0s - loss: 0.2059
260/1149 [=====>...] - ETA: 0s - loss: 0.1508
515/1148 [=====>...] - ETA: 0s - loss: 0.0981
535/1149 [=====>...] - ETA: 0s - loss: 0.1775
95/1148 [=>...] - ETA: 0s - loss: 0.0948
370/1149 [=====>...] - ETA: 0s - loss: 0.7688
435/1149 [=====>...] - ETA: 0s - loss: 0.1538
555/1149 [=====>...] - ETA: 0s - loss: 0.2000
480/1149 [=====>...] - ETA: 0s - loss: 0.2507
355/1149 [=====>...] - ETA: 0s - loss: 0.1408
625/1148 [=====>...] - ETA: 0s - loss: 0.0968
200/1148 [=====>...] - ETA: 0s - loss: 0.1017
600/1149 [=====>...] - ETA: 0s - loss: 0.1782
455/1149 [=====>...] - ETA: 0s - loss: 0.7442
520/1149 [=====>...] - ETA: 0s - loss: 0.1651
640/1149 [=====>...] - ETA: 0s - loss: 0.1930
545/1149 [=====>...] - ETA: 0s - loss: 0.2381
460/1149 [=====>...] - ETA: 0s - loss: 0.1362
730/1148 [=====>...] - ETA: 0s - loss: 0.0947
665/1149 [=====>...] - ETA: 0s - loss: 0.1706
305/1148 [=====>...] - ETA: 0s - loss: 0.1022
540/1149 [=====>...] - ETA: 0s - loss: 0.7376
615/1149 [=====>...] - ETA: 0s - loss: 0.1555
750/1149 [=====>...] - ETA: 0s - loss: 0.1897
640/1149 [=====>...] - ETA: 0s - loss: 0.2263
550/1149 [=====>...] - ETA: 0s - loss: 0.1415
815/1148 [=====>...] - ETA: 0s - loss: 0.0923
770/1149 [=====>...] - ETA: 0s - loss: 0.1761
375/1148 [=====>...] - ETA: 0s - loss: 0.0966
630/1149 [=====>...] - ETA: 0s - loss: 0.7142
720/1149 [=====>...] - ETA: 0s - loss: 0.1474
845/1149 [=====>...] - ETA: 0s - loss: 0.1811
745/1149 [=====>...] - ETA: 0s - loss: 0.2117
605/1149 [=====>...] - ETA: 0s - loss: 0.1394

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865/1148 [=====>...] - ETA: 0s - loss: 0.0915
870/1149 [=====>...] - ETA: 0s - loss: 0.1792
450/1148 [=====>...] - ETA: 0s - loss: 0.0926
725/1149 [=====>...] - ETA: 0s - loss: 0.7869
820/1149 [=====>...] - ETA: 0s - loss: 0.1418
925/1149 [=====>...] - ETA: 0s - loss: 0.1791
855/1149 [=====>...] - ETA: 0s - loss: 0.1987
680/1149 [=====>...] - ETA: 0s - loss: 0.1384
940/1148 [=====>...] - ETA: 0s - loss: 0.0918
950/1149 [=====>...] - ETA: 0s - loss: 0.1789
530/1148 [=====>...] - ETA: 0s - loss: 0.0889
810/1149 [=====>...] - ETA: 0s - loss: 0.7495
920/1149 [=====>...] - ETA: 0s - loss: 0.1384
1020/1149 [=====>...] - ETA: 0s - loss: 0.1781
940/1149 [=====>...] - ETA: 0s - loss: 0.1920
780/1149 [=====>...] - ETA: 0s - loss: 0.1420
1050/1148 [=====>...] - ETA: 0s - loss: 0.0919
635/1148 [=====>...] - ETA: 0s - loss: 0.0873
1025/1149 [=====>...] - ETA: 0s - loss: 0.1753
895/1149 [=====>...] - ETA: 0s - loss: 0.7670
1005/1149 [=====>...] - ETA: 0s - loss: 0.1332
1110/1149 [=====>..] - ETA: 0s - loss: 0.1711
1035/1149 [=====>...] - ETA: 0s - loss: 0.1835
885/1149 [=====>...] - ETA: 0s - loss: 0.1504
1148/1148 [=====] - 1s 587us/step - loss: 0.0935

1149/1149 [=====] - 1s 561us/step - loss: 0.1694

1095/1149 [=====>..] - ETA: 0s - loss: 0.1753Epoch 4/10

5/1148 [...] - ETA: 0s - loss: 0.0303
745/1148 [=====>...] - ETA: 0s - loss: 0.0872Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.0700
985/1149 [=====>...] - ETA: 0s - loss: 0.7545
1095/1149 [=====>..] - ETA: 0s - loss: 0.1327
1149/1149 [=====] - 1s 563us/step - loss: 0.1728
Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.1908
1120/1149 [=====>..] - ETA: 0s - loss: 0.1806
990/1149 [=====>...] - ETA: 0s - loss: 0.1467
1149/1149 [=====] - 1s 566us/step - loss: 0.1365
Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.0226
120/1148 [==>...] - ETA: 0s - loss: 0.0643
820/1148 [=====>...] - ETA: 0s - loss: 0.0858

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100/1149 [=>...] - ETA: 0s - loss: 0.1909  
1149/1149 [=====] - 1s 566us/step - loss: 0.1798  
Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.2156  
1055/1149 [=====>...] - ETA: 0s - loss: 0.7422  
110/1149 [=>...] - ETA: 0s - loss: 0.1436  
1095/1149 [=====>..] - ETA: 0s - loss: 0.1468  
110/1149 [=>...] - ETA: 0s - loss: 0.1088  
230/1148 [=====>...] - ETA: 0s - loss: 0.0885  
890/1148 [=====>...] - ETA: 0s - loss: 0.0859  
190/1149 [====>...] - ETA: 0s - loss: 0.1671  
75/1149 [>...] - ETA: 0s - loss: 0.1158  
1130/1149 [=====>.] - ETA: 0s - loss: 0.7468  
1149/1149 [=====] - 1s 562us/step - loss: 0.1448  
Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.0390  
1149/1149 [=====] - 1s 598us/step - loss: 0.7595  
Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.0411  
220/1149 [=====>...] - ETA: 0s - loss: 0.1790  
980/1148 [=====>...] - ETA: 0s - loss: 0.0871  
210/1149 [=====>...] - ETA: 0s - loss: 0.1492  
315/1148 [=====>...] - ETA: 0s - loss: 0.0882  
280/1149 [=====>...] - ETA: 0s - loss: 0.1457  
180/1149 [====>...] - ETA: 0s - loss: 0.1687  
80/1149 [=>...] - ETA: 0s - loss: 0.1278  
115/1149 [====>...] - ETA: 0s - loss: 0.6440  
320/1149 [=====>...] - ETA: 0s - loss: 0.1620  
305/1149 [=====>...] - ETA: 0s - loss: 0.1376  
1080/1148 [=====>..] - ETA: 0s - loss: 0.0909  
365/1148 [=====>...] - ETA: 0s - loss: 0.0886  
380/1149 [=====>...] - ETA: 0s - loss: 0.1414  
285/1149 [=====>...] - ETA: 0s - loss: 0.1505  
140/1149 [====>...] - ETA: 0s - loss: 0.1050  
230/1149 [=====>...] - ETA: 0s - loss: 0.8363  
425/1149 [=====>...] - ETA: 0s - loss: 0.1642  
1148/1148 [=====] - 1s 572us/step - loss: 0.0897  
Epoch 4/5

5/1148 [...] - ETA: 0s - loss: 0.0433  
395/1149 [=====>...] - ETA: 0s - loss: 0.1333  
435/1148 [=====>...] - ETA: 0s - loss: 0.0873  
395/1149 [=====>...] - ETA: 0s - loss: 0.1360  
460/1149 [=====>...] - ETA: 0s - loss: 0.1569  
230/1149 [=====>...] - ETA: 0s - loss: 0.1233



330/1149 [=====>...] - ETA: 0s - loss: 0.8010  
525/1149 [=====>...] - ETA: 0s - loss: 0.1525  
95/1148 [=>...] - ETA: 0s - loss: 0.1057  
480/1149 [=====>...] - ETA: 0s - loss: 0.1358  
535/1148 [=====>...] - ETA: 0s - loss: 0.0850  
475/1149 [=====>...] - ETA: 0s - loss: 0.1407  
525/1149 [=====>...] - ETA: 0s - loss: 0.1533  
340/1149 [=====>...] - ETA: 0s - loss: 0.1210  
605/1149 [=====>...] - ETA: 0s - loss: 0.1451  
425/1149 [=====>...] - ETA: 0s - loss: 0.8135  
180/1148 [===>...] - ETA: 0s - loss: 0.0971  
575/1149 [=====>...] - ETA: 0s - loss: 0.1269  
640/1148 [=====>...] - ETA: 0s - loss: 0.0829  
560/1149 [=====>...] - ETA: 0s - loss: 0.1417  
625/1149 [=====>...] - ETA: 0s - loss: 0.1719  
435/1149 [=====>...] - ETA: 0s - loss: 0.1313  
690/1149 [=====>...] - ETA: 0s - loss: 0.1406  
500/1149 [=====>...] - ETA: 0s - loss: 0.7818  
260/1148 [=====>...] - ETA: 0s - loss: 0.1036  
655/1149 [=====>...] - ETA: 0s - loss: 0.1262  
745/1148 [=====>...] - ETA: 0s - loss: 0.0824  
655/1149 [=====>...] - ETA: 0s - loss: 0.1425  
720/1149 [=====>...] - ETA: 0s - loss: 0.1672  
550/1149 [=====>...] - ETA: 0s - loss: 0.1284  
795/1149 [=====>...] - ETA: 0s - loss: 0.1337  
580/1149 [=====>...] - ETA: 0s - loss: 0.7371  
340/1148 [=====>...] - ETA: 0s - loss: 0.1019  
730/1149 [=====>...] - ETA: 0s - loss: 0.1365  
865/1148 [=====>...] - ETA: 0s - loss: 0.0823  
750/1149 [=====>...] - ETA: 0s - loss: 0.1465  
815/1149 [=====>...] - ETA: 0s - loss: 0.1607  
665/1149 [=====>...] - ETA: 0s - loss: 0.1298  
895/1149 [=====>...] - ETA: 0s - loss: 0.1376  
645/1149 [=====>...] - ETA: 0s - loss: 0.6998  
405/1148 [=====>...] - ETA: 0s - loss: 0.0988  
805/1149 [=====>...] - ETA: 0s - loss: 0.1329  
970/1148 [=====>...] - ETA: 0s - loss: 0.0831  
840/1149 [=====>...] - ETA: 0s - loss: 0.1468  
920/1149 [=====>...] - ETA: 0s - loss: 0.1608  
760/1149 [=====>...] - ETA: 0s - loss: 0.1269  
985/1149 [=====>...] - ETA: 0s - loss: 0.1363  
735/1149 [=====>...] - ETA: 0s - loss: 0.6943  
500/1148 [=====>...] - ETA: 0s - loss: 0.0920  
890/1149 [=====>...] - ETA: 0s - loss: 0.1274  
1055/1148 [=====>...] - ETA: 0s - loss: 0.0881  
920/1149 [=====>...] - ETA: 0s - loss: 0.1478  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1591  
840/1149 [=====>...] - ETA: 0s - loss: 0.1369

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1075/1149 [=====>..] - ETA: 0s - loss: 0.1362
835/1149 [=====>...] - ETA: 0s - loss: 0.6650
600/1148 [=====>...] - ETA: 0s - loss: 0.0906
985/1149 [=====>...] - ETA: 0s - loss: 0.1239
1145/1148 [=====>.] - ETA: 0s - loss: 0.0870
1148/1148 [=====] - 1s 542us/step - loss: 0.0872

1005/1149 [=====>...] - ETA: 0s - loss: 0.1440Epoch 5/10

5/1148 [...] - ETA: 0s - loss: 0.0449
1120/1149 [=====>.] - ETA: 0s - loss: 0.1568
930/1149 [=====>...] - ETA: 0s - loss: 0.1374
1149/1149 [=====] - 1s 533us/step - loss: 0.1364
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.0515
1149/1149 [=====] - 1s 560us/step - loss: 0.1579
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.0289
920/1149 [=====>...] - ETA: 0s - loss: 0.6720
690/1148 [=====>...] - ETA: 0s - loss: 0.0866
1085/1149 [=====>..] - ETA: 0s - loss: 0.1280
1090/1149 [=====>..] - ETA: 0s - loss: 0.1389
95/1148 [=>...] - ETA: 0s - loss: 0.0796
1010/1149 [=====>...] - ETA: 0s - loss: 0.1374
85/1149 [=>...] - ETA: 0s - loss: 0.0884
65/1149 [>...] - ETA: 0s - loss: 0.1614
1149/1149 [=====] - 1s 559us/step - loss: 0.1376

1030/1149 [=====>...] - ETA: 0s - loss: 0.6692Epoch 5/10

5/1149 [...] - ETA: 0s - loss: 0.0887
1149/1149 [=====] - 1s 571us/step - loss: 0.1269
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.0294
765/1148 [=====>...] - ETA: 0s - loss: 0.0848
165/1148 [===>...] - ETA: 0s - loss: 0.0860
1105/1149 [=====>..] - ETA: 0s - loss: 0.1356
170/1149 [===>...] - ETA: 0s - loss: 0.1388
1125/1149 [=====>.] - ETA: 0s - loss: 0.6773
145/1149 [===>...] - ETA: 0s - loss: 0.1427
85/1149 [=>...] - ETA: 0s - loss: 0.1105
1149/1149 [=====] - 1s 555us/step - loss: 0.1350
Epoch 5/10

5/1149 [...] - ETA: 0s - loss: 0.1445

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100/1149 [=>...] - ETA: 0s - loss: 0.2085  
850/1148 [=====>...] - ETA: 0s - loss: 0.0826  
1149/1149 [=====] - 1s 557us/step - loss: 0.6741  
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.1578  
265/1148 [=====>...] - ETA: 0s - loss: 0.0848  
260/1149 [=====>...] - ETA: 0s - loss: 0.1256  
240/1149 [=====>...] - ETA: 0s - loss: 0.1422  
165/1149 [=====>...] - ETA: 0s - loss: 0.1306  
190/1149 [=====>...] - ETA: 0s - loss: 0.1603  
85/1149 [=>...] - ETA: 0s - loss: 0.1222  
940/1148 [=====>...] - ETA: 0s - loss: 0.0821  
95/1149 [=>...] - ETA: 0s - loss: 0.6024  
365/1148 [=====>...] - ETA: 0s - loss: 0.0861  
360/1149 [=====>...] - ETA: 0s - loss: 0.1265  
340/1149 [=====>...] - ETA: 0s - loss: 0.1384  
265/1149 [=====>...] - ETA: 0s - loss: 0.1317  
275/1149 [=====>...] - ETA: 0s - loss: 0.1422  
175/1149 [=====>...] - ETA: 0s - loss: 0.1181  
1030/1148 [=====>...] - ETA: 0s - loss: 0.0865  
190/1149 [=====>...] - ETA: 0s - loss: 0.7746  
455/1148 [=====>...] - ETA: 0s - loss: 0.0867  
445/1149 [=====>...] - ETA: 0s - loss: 0.1243  
355/1149 [=====>...] - ETA: 0s - loss: 0.1241  
355/1149 [=====>...] - ETA: 0s - loss: 0.1307  
440/1149 [=====>...] - ETA: 0s - loss: 0.1409  
1115/1148 [=====>.] - ETA: 0s - loss: 0.0849  
270/1149 [=====>...] - ETA: 0s - loss: 0.1187  
275/1149 [=====>...] - ETA: 0s - loss: 0.6474  
555/1148 [=====>...] - ETA: 0s - loss: 0.0853  
1148/1148 [=====] - 1s 602us/step - loss: 0.0840  
Epoch 5/5

5/1148 [...] - ETA: 0s - loss: 0.1140  
540/1149 [=====>...] - ETA: 0s - loss: 0.1344  
450/1149 [=====>...] - ETA: 0s - loss: 0.1531  
445/1149 [=====>...] - ETA: 0s - loss: 0.1212  
525/1149 [=====>...] - ETA: 0s - loss: 0.1450  
355/1149 [=====>...] - ETA: 0s - loss: 0.1239  
365/1149 [=====>...] - ETA: 0s - loss: 0.6136  
645/1148 [=====>...] - ETA: 0s - loss: 0.0834  
85/1148 [=>...] - ETA: 0s - loss: 0.1362  
630/1149 [=====>...] - ETA: 0s - loss: 0.1377  
530/1149 [=====>...] - ETA: 0s - loss: 0.1343  
560/1149 [=====>...] - ETA: 0s - loss: 0.1435  
620/1149 [=====>...] - ETA: 0s - loss: 0.1355  
445/1149 [=====>...] - ETA: 0s - loss: 0.1242

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450/1149 [=====>...] - ETA: 0s - loss: 0.5726
750/1148 [=====>...] - ETA: 0s - loss: 0.0787
190/1148 [===>...] - ETA: 0s - loss: 0.0956
720/1149 [=====>...] - ETA: 0s - loss: 0.1356
630/1149 [=====>...] - ETA: 0s - loss: 0.1304
625/1149 [=====>...] - ETA: 0s - loss: 0.1427
690/1149 [=====>...] - ETA: 0s - loss: 0.1408
565/1149 [=====>...] - ETA: 0s - loss: 0.1142
525/1149 [=====>...] - ETA: 0s - loss: 0.5895
850/1148 [=====>...] - ETA: 0s - loss: 0.0839
295/1148 [=====>...] - ETA: 0s - loss: 0.0930
800/1149 [=====>...] - ETA: 0s - loss: 0.1344
695/1149 [=====>...] - ETA: 0s - loss: 0.1407
735/1149 [=====>...] - ETA: 0s - loss: 0.1294
760/1149 [=====>...] - ETA: 0s - loss: 0.1444
665/1149 [=====>...] - ETA: 0s - loss: 0.1218
605/1149 [=====>...] - ETA: 0s - loss: 0.6077
945/1148 [=====>...] - ETA: 0s - loss: 0.0860
395/1148 [=====>...] - ETA: 0s - loss: 0.0929
895/1149 [=====>...] - ETA: 0s - loss: 0.1337
790/1149 [=====>...] - ETA: 0s - loss: 0.1355
825/1149 [=====>...] - ETA: 0s - loss: 0.1290
845/1149 [=====>...] - ETA: 0s - loss: 0.1549
760/1149 [=====>...] - ETA: 0s - loss: 0.1195
715/1149 [=====>...] - ETA: 0s - loss: 0.5805
1020/1148 [=====>...] - ETA: 0s - loss: 0.0858
490/1148 [=====>...] - ETA: 0s - loss: 0.0907
990/1149 [=====>...] - ETA: 0s - loss: 0.1331
900/1149 [=====>...] - ETA: 0s - loss: 0.1298
915/1149 [=====>...] - ETA: 0s - loss: 0.1265
950/1149 [=====>...] - ETA: 0s - loss: 0.1508
840/1149 [=====>...] - ETA: 0s - loss: 0.1201
805/1149 [=====>...] - ETA: 0s - loss: 0.5973
1100/1148 [=====>...] - ETA: 0s - loss: 0.0862
570/1148 [=====>...] - ETA: 0s - loss: 0.0912
1095/1149 [=====>...] - ETA: 0s - loss: 0.1288
1010/1149 [=====>...] - ETA: 0s - loss: 0.1262
1148/1148 [=====] - 1s 567us/step - loss: 0.0854

1055/1149 [=====>...] - ETA: 0s - loss: 0.1467Epoch 6/10

5/1148 [...] - ETA: 0s - loss: 0.0627
925/1149 [=====>...] - ETA: 0s - loss: 0.1366
1005/1149 [=====>...] - ETA: 0s - loss: 0.1241
900/1149 [=====>...] - ETA: 0s - loss: 0.6213
1149/1149 [=====] - 1s 565us/step - loss: 0.1264

640/1148 [=====>...] - ETA: 0s - loss: 0.0884

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1100/1149 [=====>..] - ETA: 0s - loss: 0.1268
1149/1149 [=====] - 1s 588us/step - loss: 0.1510

1030/1149 [=====>...] - ETA: 0s - loss: 0.1316
120/1148 [==>...] - ETA: 0s - loss: 0.0912
1075/1149 [=====>..] - ETA: 0s - loss: 0.1241
990/1149 [=====>...] - ETA: 0s - loss: 0.6096
1149/1149 [=====] - 1s 561us/step - loss: 0.1256
Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.1171
700/1148 [=====>...] - ETA: 0s - loss: 0.0875
1149/1149 [=====] - 1s 583us/step - loss: 0.1234

1149/1149 [=====] - 1s 543us/step - loss: 0.1307
Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.1389
235/1148 [=====>...] - ETA: 0s - loss: 0.0827
1090/1149 [=====>..] - ETA: 0s - loss: 0.6168
120/1149 [==>...] - ETA: 0s - loss: 0.1017
795/1148 [=====>...] - ETA: 0s - loss: 0.0867
1149/1149 [=====] - 1s 562us/step - loss: 0.6059

365/1148 [=====>...] - ETA: 0s - loss: 0.0926
145/1149 [==>...] - ETA: 0s - loss: 0.1277
245/1149 [=====>...] - ETA: 0s - loss: 0.0969
920/1148 [=====>...] - ETA: 0s - loss: 0.0825
285/1149 [=====>...] - ETA: 0s - loss: 0.1224
480/1148 [=====>...] - ETA: 0s - loss: 0.0909
375/1149 [=====>...] - ETA: 0s - loss: 0.0988
1030/1148 [=====>...] - ETA: 0s - loss: 0.0826
410/1149 [=====>...] - ETA: 0s - loss: 0.1178
590/1148 [=====>...] - ETA: 0s - loss: 0.0898
480/1149 [=====>...] - ETA: 0s - loss: 0.1091
1148/1148 [=====] - 1s 544us/step - loss: 0.0820

530/1149 [=====>...] - ETA: 0s - loss: 0.1154
715/1148 [=====>...] - ETA: 0s - loss: 0.0877
585/1149 [=====>...] - ETA: 0s - loss: 0.1038
630/1149 [=====>...] - ETA: 0s - loss: 0.1336
825/1148 [=====>...] - ETA: 0s - loss: 0.0881
700/1149 [=====>...] - ETA: 0s - loss: 0.1220
950/1148 [=====>...] - ETA: 0s - loss: 0.0843
760/1149 [=====>...] - ETA: 0s - loss: 0.1357
795/1149 [=====>...] - ETA: 0s - loss: 0.1192
835/1149 [=====>...] - ETA: 0s - loss: 0.1324
1030/1148 [=====>...] - ETA: 0s - loss: 0.0842

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875/1149 [=====>...] - ETA: 0s - loss: 0.1263
935/1149 [=====>...] - ETA: 0s - loss: 0.1306
1120/1148 [=====>.] - ETA: 0s - loss: 0.0836
1148/1148 [=====] - 1s 469us/step - loss: 0.0846

975/1149 [=====>...] - ETA: 0s - loss: 0.1244Epoch 7/10

5/1148 [...] - ETA: 0s - loss: 0.0607
1040/1149 [=====>...] - ETA: 0s - loss: 0.1280
1065/1149 [=====>...] - ETA: 0s - loss: 0.1234
75/1148 [>...] - ETA: 0s - loss: 0.0718
1110/1149 [=====>..] - ETA: 0s - loss: 0.1280
160/1148 [===>...] - ETA: 0s - loss: 0.0716
1140/1149 [=====>.] - ETA: 0s - loss: 0.1210
1149/1149 [=====] - 1s 501us/step - loss: 0.1208
Epoch 7/10

5/1149 [...] - ETA: 0s - loss: 0.1527
1149/1149 [=====] - 1s 479us/step - loss: 0.1278
Epoch 7/10

5/1149 [...] - ETA: 0s - loss: 0.1285
255/1148 [=====>...] - ETA: 0s - loss: 0.0797
90/1149 [=>...] - ETA: 0s - loss: 0.1150
80/1149 [=>...] - ETA: 0s - loss: 0.0948
335/1148 [=====>...] - ETA: 0s - loss: 0.0849
175/1149 [===>...] - ETA: 0s - loss: 0.1239
160/1149 [===>...] - ETA: 0s - loss: 0.1030
425/1148 [=====>...] - ETA: 0s - loss: 0.0961
260/1149 [=====>...] - ETA: 0s - loss: 0.1439
265/1149 [=====>...] - ETA: 0s - loss: 0.1128
525/1148 [=====>...] - ETA: 0s - loss: 0.0890
365/1149 [=====>...] - ETA: 0s - loss: 0.1372
360/1149 [=====>...] - ETA: 0s - loss: 0.1196
595/1148 [=====>...] - ETA: 0s - loss: 0.0872
425/1149 [=====>...] - ETA: 0s - loss: 0.1301
405/1149 [=====>...] - ETA: 0s - loss: 0.1188Epoch 1/10

5/1149 [...] - ETA: 1:52 - loss: 0.4490
650/1148 [=====>...] - ETA: 0s - loss: 0.0853
465/1149 [=====>...] - ETA: 0s - loss: 0.1340
440/1149 [=====>...] - ETA: 0s - loss: 0.1206
680/1148 [=====>...] - ETA: 0s - loss: 0.0859
40/1149 [>...] - ETA: 15s - loss: 0.7325 Epoch 1/10

5/1149 [...] - ETA: 2:11 - loss: 1.5596
500/1149 [=====>...] - ETA: 0s - loss: 0.1313
470/1149 [=====>...] - ETA: 0s - loss: 0.1273

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700/1148 [=====>...] - ETA: 0s - loss: 0.0866
 60/1149 [>...] - ETA: 11s - loss: 1.2367
 30/1149 [...] - ETA: 23s - loss: 1.2716
525/1149 [=====>...] - ETA: 0s - loss: 0.1312
500/1149 [=====>...] - ETA: 0s - loss: 0.1268
730/1148 [=====>...] - ETA: 0s - loss: 0.0864
 55/1149 [>...] - ETA: 13s - loss: 0.9313
 95/1149 [=>...] - ETA: 7s - loss: 0.9818 Epoch 1/15

 5/1148 [...] - ETA: 2:24 - loss: 0.1761
555/1149 [=====>...] - ETA: 0s - loss: 0.1283
525/1149 [=====>...] - ETA: 0s - loss: 0.1245
765/1148 [=====>...] - ETA: 0s - loss: 0.0863
130/1149 [==>...] - ETA: 5s - loss: 1.1223
 95/1149 [=>...] - ETA: 8s - loss: 0.8720
 20/1148 [...] - ETA: 38s - loss: 0.3141
585/1149 [=====>...] - ETA: 0s - loss: 0.1253
555/1149 [=====>...] - ETA: 0s - loss: 0.1223
790/1148 [=====>...] - ETA: 0s - loss: 0.0863
165/1149 [===>...] - ETA: 4s - loss: 1.2112
 45/1148 [>...] - ETA: 17s - loss: 0.3400
125/1149 [==>...] - ETA: 6s - loss: 0.8817
585/1149 [=====>...] - ETA: 0s - loss: 0.1225
625/1149 [=====>...] - ETA: 0s - loss: 0.1230
825/1148 [=====>...] - ETA: 0s - loss: 0.0853
100/1148 [=>...] - ETA: 8s - loss: 0.3539
615/1149 [=====>...] - ETA: 0s - loss: 0.1226
165/1149 [===>...] - ETA: 5s - loss: 0.8526
195/1149 [====>...] - ETA: 4s - loss: 1.2465
660/1149 [=====>...] - ETA: 0s - loss: 0.1213
855/1148 [=====>...] - ETA: 0s - loss: 0.0853
130/1148 [==>...] - ETA: 6s - loss: 0.3658Epoch 1/15

 5/1149 [...] - ETA: 3:07 - loss: 3.4277
230/1149 [=====>...] - ETA: 3s - loss: 1.3447
185/1149 [===>...] - ETA: 4s - loss: 0.7970
645/1149 [=====>...] - ETA: 0s - loss: 0.1281
685/1149 [=====>...] - ETA: 0s - loss: 0.1294
165/1148 [===>...] - ETA: 5s - loss: 0.3803
880/1148 [=====>...] - ETA: 0s - loss: 0.0858
 40/1149 [>...] - ETA: 24s - loss: 1.7281
265/1149 [=====>...] - ETA: 3s - loss: 1.3296
220/1149 [=====>...] - ETA: 4s - loss: 0.8213
685/1149 [=====>...] - ETA: 0s - loss: 0.1274
725/1149 [=====>...] - ETA: 0s - loss: 0.1297
195/1148 [=====>...] - ETA: 4s - loss: 0.3668
915/1148 [=====>...] - ETA: 0s - loss: 0.0854
 95/1149 [=>...] - ETA: 10s - loss: 1.6845

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240/1149 [====>...] - ETA: 3s - loss: 0.8424  
 725/1149 [=====>...] - ETA: 0s - loss: 0.1248  
 765/1149 [=====>...] - ETA: 0s - loss: 0.1279  
 290/1149 [====>...] - ETA: 3s - loss: 1.2870  
 220/1148 [====>...] - ETA: 4s - loss: 0.3546  
 940/1148 [=====>...] - ETA: 0s - loss: 0.0851  
 150/1149 [==>...] - ETA: 6s - loss: 1.3431  
 275/1149 [====>...] - ETA: 3s - loss: 0.8757  
 760/1149 [=====>...] - ETA: 0s - loss: 0.1233  
 805/1149 [=====>...] - ETA: 0s - loss: 0.1257  
 315/1149 [====>...] - ETA: 2s - loss: 1.2558  
 255/1148 [====>...] - ETA: 3s - loss: 0.3557  
 975/1148 [=====>...] - ETA: 0s - loss: 0.0861  
 185/1149 [===>...] - ETA: 5s - loss: 1.3590  
 310/1149 [=====>...] - ETA: 3s - loss: 0.9448  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1269  
 345/1149 [=====>...] - ETA: 2s - loss: 1.2237  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1239  
 295/1148 [====>...] - ETA: 3s - loss: 0.3559  
 1010/1148 [=====>...] - ETA: 0s - loss: 0.0854  
 210/1149 [====>...] - ETA: 4s - loss: 1.2999  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1253  
 340/1149 [=====>...] - ETA: 2s - loss: 0.9581  
 380/1149 [=====>...] - ETA: 2s - loss: 1.1926  
 900/1149 [=====>...] - ETA: 0s - loss: 0.1227  
 300/1148 [====>...] - ETA: 3s - loss: 0.3561  
 1060/1148 [=====>...] - ETA: 0s - loss: 0.0842  
 225/1149 [====>...] - ETA: 4s - loss: 1.2575  
 890/1149 [=====>...] - ETA: 0s - loss: 0.1340  
 430/1149 [=====>...] - ETA: 2s - loss: 1.2515  
 375/1149 [=====>...] - ETA: 2s - loss: 0.9091  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1219  
 335/1148 [====>...] - ETA: 2s - loss: 0.3588  
 1090/1148 [=====>...] - ETA: 0s - loss: 0.0844  
 255/1149 [====>...] - ETA: 4s - loss: 1.3542  
 925/1149 [=====>...] - ETA: 0s - loss: 0.1317  
 405/1149 [=====>...] - ETA: 2s - loss: 0.9179  
 455/1149 [=====>...] - ETA: 1s - loss: 1.2263  
 980/1149 [=====>...] - ETA: 0s - loss: 0.1192  
 1130/1148 [=====>...] - ETA: 0s - loss: 0.0838  
 370/1148 [====>...] - ETA: 2s - loss: 0.3546  
 280/1149 [====>...] - ETA: 3s - loss: 1.3052  
 965/1149 [=====>...] - ETA: 0s - loss: 0.1294  
 1148/1148 [=====] - 1s 1ms/step - loss: 0.0842  
 Epoch 8/10

5/1148 [...] - ETA: 0s - loss: 0.0407  
 440/1149 [=====>...] - ETA: 2s - loss: 0.9411



485/1149 [=====>...] - ETA: 1s - loss: 1.3145  
 1005/1149 [=====>...] - ETA: 0s - loss: 0.1202  
 390/1148 [=====>...] - ETA: 2s - loss: 0.3448  
 300/1149 [=====>...] - ETA: 3s - loss: 1.2559  
 1010/1149 [=====>...] - ETA: 0s - loss: 0.1290  
 65/1148 [>...] - ETA: 0s - loss: 0.0815  
 485/1149 [=====>...] - ETA: 1s - loss: 0.9624  
 540/1149 [=====>...] - ETA: 1s - loss: 1.2432  
 1055/1149 [=====>...] - ETA: 0s - loss: 0.1189  
 450/1148 [=====>...] - ETA: 2s - loss: 0.3444  
 335/1149 [=====>...] - ETA: 3s - loss: 1.2159  
 1045/1149 [=====>...] - ETA: 0s - loss: 0.1282Epoch 1/15

5/1149 [...] - ETA: 4:47 - loss: 0.3283  
 120/1148 [==>...] - ETA: 0s - loss: 0.0726  
 545/1149 [=====>...] - ETA: 1s - loss: 0.9866  
 590/1149 [=====>...] - ETA: 1s - loss: 1.2057  
 1115/1149 [=====>.] - ETA: 0s - loss: 0.1179  
 500/1148 [=====>...] - ETA: 1s - loss: 0.3432  
 1149/1149 [=====] - 1s 1ms/step - loss: 0.1176  
 Epoch 8/10

5/1149 [...] - ETA: 0s - loss: 0.0690  
 150/1148 [==>...] - ETA: 1s - loss: 0.0704  
 595/1149 [=====>...] - ETA: 1s - loss: 0.9997  
 645/1149 [=====>...] - ETA: 1s - loss: 1.1842  
 1060/1149 [=====>...] - ETA: 0s - loss: 0.1283  
 355/1149 [=====>...] - ETA: 3s - loss: 1.2217  
 15/1149 [...] - ETA: 1:41 - loss: 1.6335  
 545/1148 [=====>...] - ETA: 1s - loss: 0.3385  
 30/1149 [...] - ETA: 2s - loss: 0.0879  
 660/1149 [=====>...] - ETA: 1s - loss: 1.1799  
 1135/1149 [=====>.] - ETA: 0s - loss: 0.1265  
 430/1149 [=====>...] - ETA: 2s - loss: 1.2344  
 175/1148 [==>...] - ETA: 1s - loss: 0.0701  
 615/1149 [=====>...] - ETA: 1s - loss: 0.9895  
 1149/1149 [=====] - 1s 1ms/step - loss: 0.1260  
 Epoch 8/10

5/1149 [...] - ETA: 0s - loss: 0.1330  
 30/1149 [...] - ETA: 52s - loss: 1.2759  
 560/1148 [=====>...] - ETA: 1s - loss: 0.3362  
 45/1149 [>...] - ETA: 2s - loss: 0.0865  
 515/1149 [=====>...] - ETA: 1s - loss: 1.1351  
 680/1149 [=====>...] - ETA: 1s - loss: 1.1648  
 95/1149 [=>...] - ETA: 0s - loss: 0.1386  
 195/1148 [====>...] - ETA: 1s - loss: 0.0689  
 55/1149 [>...] - ETA: 28s - loss: 1.2471

640/1149 [=====>...] - ETA: 1s - loss: 0.9807  
585/1148 [=====>...] - ETA: 1s - loss: 0.3321  
70/1149 [>...] - ETA: 2s - loss: 0.0726  
555/1149 [=====>...] - ETA: 1s - loss: 1.0982  
705/1149 [=====>...] - ETA: 1s - loss: 1.1609  
230/1148 [=====>...] - ETA: 1s - loss: 0.0674  
90/1149 [=>...] - ETA: 17s - loss: 1.5196  
130/1149 [==>...] - ETA: 0s - loss: 0.1838  
610/1148 [=====>...] - ETA: 1s - loss: 0.3261  
675/1149 [=====>...] - ETA: 1s - loss: 0.9976  
100/1149 [=>...] - ETA: 2s - loss: 0.0910  
580/1149 [=====>...] - ETA: 1s - loss: 1.1458  
740/1149 [=====>...] - ETA: 0s - loss: 1.1626  
270/1148 [=====>...] - ETA: 1s - loss: 0.0816  
130/1149 [==>...] - ETA: 12s - loss: 1.3401  
190/1149 [===>...] - ETA: 0s - loss: 0.1517  
645/1148 [=====>...] - ETA: 1s - loss: 0.3233  
705/1149 [=====>...] - ETA: 1s - loss: 1.0093  
130/1149 [==>...] - ETA: 2s - loss: 0.0851  
605/1149 [=====>...] - ETA: 1s - loss: 1.1698  
775/1149 [=====>...] - ETA: 0s - loss: 1.1880  
310/1148 [=====>...] - ETA: 1s - loss: 0.0846  
225/1149 [=====>...] - ETA: 0s - loss: 0.1467  
170/1149 [===>...] - ETA: 9s - loss: 1.2810  
670/1148 [=====>...] - ETA: 1s - loss: 0.3231  
165/1149 [===>...] - ETA: 1s - loss: 0.0844  
745/1149 [=====>...] - ETA: 1s - loss: 1.0190  
635/1149 [=====>...] - ETA: 1s - loss: 1.1549  
335/1148 [=====>...] - ETA: 1s - loss: 0.0848  
805/1149 [=====>...] - ETA: 0s - loss: 1.1734  
245/1149 [=====>...] - ETA: 1s - loss: 0.1446  
200/1149 [=====>...] - ETA: 8s - loss: 1.2030  
700/1148 [=====>...] - ETA: 1s - loss: 0.3187  
200/1149 [=====>...] - ETA: 1s - loss: 0.0918  
770/1149 [=====>...] - ETA: 0s - loss: 1.0186  
665/1149 [=====>...] - ETA: 1s - loss: 1.1367  
360/1148 [=====>...] - ETA: 1s - loss: 0.0841  
830/1149 [=====>...] - ETA: 0s - loss: 1.1617  
715/1148 [=====>...] - ETA: 1s - loss: 0.3166  
220/1149 [=====>...] - ETA: 7s - loss: 1.1793  
225/1149 [=====>...] - ETA: 1s - loss: 0.0890  
790/1149 [=====>...] - ETA: 0s - loss: 1.0744  
680/1149 [=====>...] - ETA: 1s - loss: 1.1242  
270/1149 [=====>...] - ETA: 1s - loss: 0.1489  
380/1148 [=====>...] - ETA: 1s - loss: 0.0856  
850/1149 [=====>...] - ETA: 0s - loss: 1.1388  
250/1149 [=====>...] - ETA: 6s - loss: 1.1238  
745/1148 [=====>...] - ETA: 1s - loss: 0.3151

250/1149 [=====>...] - ETA: 1s - loss: 0.0904  
 290/1149 [=====>...] - ETA: 1s - loss: 0.1448  
 815/1149 [======>...] - ETA: 0s - loss: 1.0620  
 710/1149 [======>...] - ETA: 1s - loss: 1.1124  
 410/1148 [=====>...] - ETA: 1s - loss: 0.0905  
 890/1149 [======>...] - ETA: 0s - loss: 1.1098  
 295/1149 [=====>...] - ETA: 1s - loss: 0.0920  
 290/1149 [=====>...] - ETA: 5s - loss: 1.1125  
 780/1148 [======>...] - ETA: 0s - loss: 0.3146  
 320/1149 [=====>...] - ETA: 1s - loss: 0.1392  
 745/1149 [======>...] - ETA: 1s - loss: 1.0877  
 850/1149 [======>...] - ETA: 0s - loss: 1.0719  
 930/1149 [======>...] - ETA: 0s - loss: 1.0984  
 450/1148 [=====>...] - ETA: 1s - loss: 0.0898  
 315/1149 [=====>...] - ETA: 5s - loss: 1.1022  
 340/1149 [=====>...] - ETA: 1s - loss: 0.0891  
 815/1148 [======>...] - ETA: 0s - loss: 0.3086  
 790/1149 [======>...] - ETA: 0s - loss: 1.0757  
 360/1149 [=====>...] - ETA: 1s - loss: 0.1389  
 890/1149 [======>...] - ETA: 0s - loss: 1.0603  
 965/1149 [======>...] - ETA: 0s - loss: 1.0685  
 490/1148 [=====>...] - ETA: 1s - loss: 0.0896  
 365/1149 [=====>...] - ETA: 1s - loss: 0.0936  
 825/1149 [======>...] - ETA: 0s - loss: 1.1011  
 345/1149 [=====>...] - ETA: 4s - loss: 1.1246  
 845/1148 [======>...] - ETA: 0s - loss: 0.3054  
 915/1149 [======>...] - ETA: 0s - loss: 1.0508  
 385/1149 [=====>...] - ETA: 1s - loss: 0.1332  
 995/1149 [======>...] - ETA: 0s - loss: 1.0647  
 520/1148 [======>...] - ETA: 1s - loss: 0.0906  
 390/1149 [=====>...] - ETA: 1s - loss: 0.0980  
 850/1149 [======>...] - ETA: 0s - loss: 1.0919  
 865/1148 [======>...] - ETA: 0s - loss: 0.3006  
 370/1149 [=====>...] - ETA: 4s - loss: 1.1279  
 935/1149 [======>...] - ETA: 0s - loss: 1.0701  
 405/1149 [=====>...] - ETA: 1s - loss: 0.1334  
 550/1148 [=====>...] - ETA: 0s - loss: 0.0907  
 1025/1149 [======>...] - ETA: 0s - loss: 1.0679  
 430/1149 [=====>...] - ETA: 1s - loss: 0.0975  
 905/1148 [======>...] - ETA: 0s - loss: 0.2948  
 975/1149 [======>...] - ETA: 0s - loss: 1.0777  
 400/1149 [=====>...] - ETA: 3s - loss: 1.2045  
 885/1149 [======>...] - ETA: 0s - loss: 1.0547  
 440/1149 [=====>...] - ETA: 1s - loss: 0.1317  
 580/1148 [======>...] - ETA: 0s - loss: 0.0903  
 1060/1149 [======>...] - ETA: 0s - loss: 1.0468  
 460/1149 [=====>...] - ETA: 1s - loss: 0.0947  
 915/1149 [======>...] - ETA: 0s - loss: 1.0480

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1010/1149 [=====>...] - ETA: 0s - loss: 1.0648
435/1149 [=====>...] - ETA: 3s - loss: 1.2711
930/1148 [=====>...] - ETA: 0s - loss: 0.2914
475/1149 [=====>...] - ETA: 1s - loss: 0.1339
605/1148 [=====>...] - ETA: 0s - loss: 0.0891
1085/1149 [=====>..] - ETA: 0s - loss: 1.0424
495/1149 [=====>...] - ETA: 1s - loss: 0.0927
1040/1149 [=====>...] - ETA: 0s - loss: 1.0557
945/1149 [=====>...] - ETA: 0s - loss: 1.0309
475/1149 [=====>...] - ETA: 3s - loss: 1.2597
970/1148 [=====>...] - ETA: 0s - loss: 0.2866
520/1149 [=====>...] - ETA: 0s - loss: 0.1301
655/1148 [=====>...] - ETA: 0s - loss: 0.0889
1130/1149 [=====>.] - ETA: 0s - loss: 1.0221
555/1149 [=====>...] - ETA: 0s - loss: 0.0917
1010/1149 [=====>...] - ETA: 0s - loss: 1.0312
520/1149 [=====>...] - ETA: 2s - loss: 1.2601
1100/1149 [=====>..] - ETA: 0s - loss: 1.0376
1149/1149 [=====] - 2s 2ms/step - loss: 1.0204
Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.7392
1020/1148 [=====>...] - ETA: 0s - loss: 0.2796
560/1149 [=====>...] - ETA: 0s - loss: 0.1274
700/1148 [=====>...] - ETA: 0s - loss: 0.0901
600/1149 [=====>...] - ETA: 0s - loss: 0.1023
1149/1149 [=====] - 2s 2ms/step - loss: 1.0116

1060/1149 [=====>...] - ETA: 0s - loss: 1.0700Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.4023
560/1149 [=====>...] - ETA: 2s - loss: 1.2460
50/1149 [>...] - ETA: 1s - loss: 0.8285
1065/1148 [=====>...] - ETA: 0s - loss: 0.2735
610/1149 [=====>...] - ETA: 0s - loss: 0.1254
750/1148 [=====>...] - ETA: 0s - loss: 0.0897
645/1149 [=====>...] - ETA: 0s - loss: 0.1044
50/1149 [>...] - ETA: 1s - loss: 0.6932
1105/1149 [=====>..] - ETA: 0s - loss: 1.0766
620/1149 [=====>...] - ETA: 2s - loss: 1.2226
95/1149 [=>...] - ETA: 1s - loss: 0.7042
1120/1148 [=====>.] - ETA: 0s - loss: 0.2674
665/1149 [=====>...] - ETA: 0s - loss: 0.1292
805/1148 [=====>...] - ETA: 0s - loss: 0.0887
1148/1148 [=====] - 3s 2ms/step - loss: 0.2659
Epoch 2/15

5/1148 [...] - ETA: 0s - loss: 0.1557

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720/1149 [=====>...] - ETA: 0s - loss: 0.1032  
60/1149 [>...] - ETA: 1s - loss: 0.7318  
1149/1149 [=====] - 3s 2ms/step - loss: 1.0724  
Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.3193  
130/1149 [==>...] - ETA: 1s - loss: 0.5830  
710/1149 [=====>...] - ETA: 0s - loss: 0.1292  
850/1148 [=====>...] - ETA: 0s - loss: 0.0866  
75/1148 [>...] - ETA: 0s - loss: 0.1482  
645/1149 [=====>...] - ETA: 1s - loss: 1.2257  
800/1149 [=====>...] - ETA: 0s - loss: 0.1122  
50/1149 [>...] - ETA: 1s - loss: 0.9847  
75/1149 [>...] - ETA: 2s - loss: 0.9998  
195/1149 [====>...] - ETA: 1s - loss: 0.5878  
770/1149 [=====>...] - ETA: 0s - loss: 0.1255  
915/1148 [=====>...] - ETA: 0s - loss: 0.0852  
725/1149 [=====>...] - ETA: 1s - loss: 1.1956  
165/1148 [===>...] - ETA: 0s - loss: 0.1447  
895/1149 [=====>...] - ETA: 0s - loss: 0.1146  
130/1149 [==>...] - ETA: 0s - loss: 0.9765  
185/1149 [===>...] - ETA: 1s - loss: 0.7469  
275/1149 [=====>...] - ETA: 0s - loss: 0.5740  
860/1149 [=====>...] - ETA: 0s - loss: 0.1285  
990/1148 [=====>...] - ETA: 0s - loss: 0.0848  
240/1148 [=====>...] - ETA: 0s - loss: 0.1590  
870/1149 [=====>...] - ETA: 0s - loss: 1.1409  
970/1149 [=====>...] - ETA: 0s - loss: 0.1123  
200/1149 [====>...] - ETA: 0s - loss: 0.9732  
315/1149 [=====>...] - ETA: 0s - loss: 0.6572  
360/1149 [=====>...] - ETA: 0s - loss: 0.5483  
940/1149 [=====>...] - ETA: 0s - loss: 0.1265  
1070/1148 [=====>...] - ETA: 0s - loss: 0.0856  
995/1149 [=====>...] - ETA: 0s - loss: 1.0820  
315/1148 [=====>...] - ETA: 0s - loss: 0.1740  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1093  
280/1149 [=====>...] - ETA: 0s - loss: 1.0409  
420/1149 [=====>...] - ETA: 0s - loss: 0.5489  
445/1149 [=====>...] - ETA: 0s - loss: 0.7025  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1254  
1148/1148 [=====] - 1s 1ms/step - loss: 0.0838  
Epoch 9/10

5/1148 [...] - ETA: 0s - loss: 0.0381  
1075/1149 [=====>...] - ETA: 0s - loss: 1.0362  
410/1148 [=====>...] - ETA: 0s - loss: 0.1632  
1130/1149 [=====>...] - ETA: 0s - loss: 0.1081  
370/1149 [=====>...] - ETA: 0s - loss: 0.9707

1149/1149 [=====] - 1s 1ms/step - loss: 0.1146  
Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.0803  
510/1149 [=====>...] - ETA: 0s - loss: 0.4875  
535/1149 [=====>...] - ETA: 0s - loss: 0.6899  
1125/1149 [=====>.] - ETA: 0s - loss: 0.1262  
110/1148 [=>...] - ETA: 0s - loss: 0.0789  
1149/1149 [=====] - 1s 1ms/step - loss: 0.1254  
Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.0959  
1149/1149 [=====] - 3s 2ms/step - loss: 0.9940  
Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.7173  
500/1148 [=====>...] - ETA: 0s - loss: 0.1582  
465/1149 [=====>...] - ETA: 0s - loss: 0.9409  
115/1149 [==>...] - ETA: 0s - loss: 0.1308  
595/1149 [=====>...] - ETA: 0s - loss: 0.4435  
620/1149 [=====>...] - ETA: 0s - loss: 0.6566  
210/1148 [====>...] - ETA: 0s - loss: 0.0903  
95/1149 [=>...] - ETA: 0s - loss: 0.1355  
100/1149 [=>...] - ETA: 0s - loss: 0.5473  
595/1148 [=====>...] - ETA: 0s - loss: 0.1558  
565/1149 [=====>...] - ETA: 0s - loss: 0.8564  
205/1149 [====>...] - ETA: 0s - loss: 0.1237  
720/1149 [=====>...] - ETA: 0s - loss: 0.6781  
690/1149 [=====>...] - ETA: 0s - loss: 0.4099  
315/1148 [=====>...] - ETA: 0s - loss: 0.0902  
185/1149 [===>...] - ETA: 0s - loss: 0.1257  
190/1149 [===>...] - ETA: 0s - loss: 0.4370  
695/1148 [=====>...] - ETA: 0s - loss: 0.1515  
660/1149 [=====>...] - ETA: 0s - loss: 0.8451  
825/1149 [=====>...] - ETA: 0s - loss: 0.7057  
295/1149 [=====>...] - ETA: 0s - loss: 0.1153  
780/1149 [=====>...] - ETA: 0s - loss: 0.3926  
390/1148 [=====>...] - ETA: 0s - loss: 0.0881  
280/1149 [=====>...] - ETA: 0s - loss: 0.1247  
280/1149 [=====>...] - ETA: 0s - loss: 0.3837  
790/1148 [=====>...] - ETA: 0s - loss: 0.1503  
750/1149 [=====>...] - ETA: 0s - loss: 0.8846  
925/1149 [=====>...] - ETA: 0s - loss: 0.7060  
870/1149 [=====>...] - ETA: 0s - loss: 0.3641  
395/1149 [=====>...] - ETA: 0s - loss: 0.1146  
490/1148 [=====>...] - ETA: 0s - loss: 0.0901  
375/1149 [=====>...] - ETA: 0s - loss: 0.1476  
380/1149 [=====>...] - ETA: 0s - loss: 0.3284

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880/1148 [=====>...] - ETA: 0s - loss: 0.1462
825/1149 [=====>...] - ETA: 0s - loss: 0.8895
1010/1149 [=====>...] - ETA: 0s - loss: 0.7448
470/1149 [=====>...] - ETA: 0s - loss: 0.1069
935/1149 [=====>...] - ETA: 0s - loss: 0.3620
555/1148 [=====>...] - ETA: 0s - loss: 0.0900
445/1149 [=====>...] - ETA: 0s - loss: 0.1417
450/1149 [=====>...] - ETA: 0s - loss: 0.3112
940/1148 [=====>...] - ETA: 0s - loss: 0.1433
890/1149 [=====>...] - ETA: 0s - loss: 0.8631
1080/1149 [=====>...] - ETA: 0s - loss: 0.7335
545/1149 [=====>...] - ETA: 0s - loss: 0.1164
1015/1149 [=====>...] - ETA: 0s - loss: 0.3438
635/1148 [=====>...] - ETA: 0s - loss: 0.0866
530/1149 [=====>...] - ETA: 0s - loss: 0.1352
535/1149 [=====>...] - ETA: 0s - loss: 0.2883
1149/1149 [=====] - 1s 658us/step - loss: 0.7331
Epoch 3/10

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5/1149 [...] - ETA: 0s - loss: 0.0504
1055/1148 [=====>...] - ETA: 0s - loss: 0.1405
970/1149 [=====>...] - ETA: 0s - loss: 0.8431
635/1149 [=====>...] - ETA: 0s - loss: 0.1160
1120/1149 [=====>...] - ETA: 0s - loss: 0.3245
695/1148 [=====>...] - ETA: 0s - loss: 0.0845
595/1149 [=====>...] - ETA: 0s - loss: 0.1363
1149/1149 [=====] - 1s 657us/step - loss: 0.3200
Epoch 3/10

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5/1149 [...] - ETA: 0s - loss: 0.2005
605/1149 [=====>...] - ETA: 0s - loss: 0.2699
1148/1148 [=====] - 1s 589us/step - loss: 0.1380
Epoch 3/15

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5/1148 [...] - ETA: 0s - loss: 0.0273
105/1149 [=>...] - ETA: 0s - loss: 0.6858
1065/1149 [=====>...] - ETA: 0s - loss: 0.8672
740/1149 [=====>...] - ETA: 0s - loss: 0.1097
770/1148 [=====>...] - ETA: 0s - loss: 0.0814
655/1149 [=====>...] - ETA: 0s - loss: 0.1337
105/1149 [=>...] - ETA: 0s - loss: 0.1712
685/1149 [=====>...] - ETA: 0s - loss: 0.2624
190/1149 [==>...] - ETA: 0s - loss: 0.7428
100/1148 [=>...] - ETA: 0s - loss: 0.1281
1149/1149 [=====] - 1s 620us/step - loss: 0.8413
Epoch 3/15

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5/1149 [...] - ETA: 0s - loss: 0.0357

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840/1149 [=====>...] - ETA: 0s - loss: 0.1089
865/1148 [=====>...] - ETA: 0s - loss: 0.0797
775/1149 [=====>...] - ETA: 0s - loss: 0.1300
180/1149 [====>...] - ETA: 0s - loss: 0.1496
785/1149 [=====>...] - ETA: 0s - loss: 0.2463
285/1149 [=====>...] - ETA: 0s - loss: 0.7698
185/1148 [====>...] - ETA: 0s - loss: 0.1650
100/1149 [=>...] - ETA: 0s - loss: 1.1973
940/1149 [=====>...] - ETA: 0s - loss: 0.1152
965/1148 [=====>...] - ETA: 0s - loss: 0.0819
890/1149 [=====>...] - ETA: 0s - loss: 0.1253
265/1149 [=====>...] - ETA: 0s - loss: 0.1392
890/1149 [=====>...] - ETA: 0s - loss: 0.2355
380/1149 [=====>...] - ETA: 0s - loss: 0.7102
250/1148 [=====>...] - ETA: 0s - loss: 0.1444
205/1149 [=====>...] - ETA: 0s - loss: 0.8648
1040/1149 [=====>...] - ETA: 0s - loss: 0.1142
1050/1148 [=====>...] - ETA: 0s - loss: 0.0814
985/1149 [=====>...] - ETA: 0s - loss: 0.1232
365/1149 [=====>...] - ETA: 0s - loss: 0.1549
985/1149 [=====>...] - ETA: 0s - loss: 0.2262
345/1148 [=====>...] - ETA: 0s - loss: 0.1278
475/1149 [=====>...] - ETA: 0s - loss: 0.6368
290/1149 [=====>...] - ETA: 0s - loss: 0.8441
1125/1149 [=====>.] - ETA: 0s - loss: 0.1147
1145/1148 [=====>.] - ETA: 0s - loss: 0.0825
1149/1149 [=====] - 1s 553us/step - loss: 0.1140

1080/1149 [=====>..] - ETA: 0s - loss: 0.1255
1148/1148 [=====] - 1s 592us/step - loss: 0.0825
Epoch 10/10

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5/1149 [...] - ETA: 0s - loss: 0.0308Epoch 10/10

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5/1148 [...] - ETA: 0s - loss: 0.1265
1090/1149 [=====>..] - ETA: 0s - loss: 0.2252
460/1149 [=====>...] - ETA: 0s - loss: 0.1628
560/1149 [=====>...] - ETA: 0s - loss: 0.6115
400/1149 [=====>...] - ETA: 0s - loss: 0.8478
455/1148 [=====>...] - ETA: 0s - loss: 0.1204
1149/1149 [=====] - 1s 572us/step - loss: 0.2200

1149/1149 [=====] - 1s 579us/step - loss: 0.1236
Epoch 3/15

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5/1149 [...] - ETA: 0s - loss: 0.4036Epoch 10/10

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5/1149 [...] - ETA: 0s - loss: 0.1166

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95/1149 [=>...] - ETA: 0s - loss: 0.1385
90/1148 [=>...] - ETA: 0s - loss: 0.0901
565/1149 [=====>...] - ETA: 0s - loss: 0.1483
645/1149 [=====>...] - ETA: 0s - loss: 0.6043
490/1149 [=====>...] - ETA: 0s - loss: 0.8276
555/1148 [=====>...] - ETA: 0s - loss: 0.1176
115/1149 [==>...] - ETA: 0s - loss: 0.1461
100/1149 [=>...] - ETA: 0s - loss: 0.0794
195/1149 [====>...] - ETA: 0s - loss: 0.1193
180/1148 [====>...] - ETA: 0s - loss: 0.0813
660/1149 [=====>...] - ETA: 0s - loss: 0.1574
580/1149 [=====>...] - ETA: 0s - loss: 0.7670
730/1149 [=====>...] - ETA: 0s - loss: 0.5716
645/1148 [=====>...] - ETA: 0s - loss: 0.1193
220/1149 [====>...] - ETA: 0s - loss: 0.1579
180/1149 [====>...] - ETA: 0s - loss: 0.1108
300/1149 [=====>...] - ETA: 0s - loss: 0.1006
270/1148 [=====>...] - ETA: 0s - loss: 0.0869
755/1149 [=====>...] - ETA: 0s - loss: 0.1507
690/1149 [=====>...] - ETA: 0s - loss: 0.7824
810/1149 [=====>...] - ETA: 0s - loss: 0.5529
735/1148 [=====>...] - ETA: 0s - loss: 0.1180
315/1149 [=====>...] - ETA: 0s - loss: 0.1551
290/1149 [=====>...] - ETA: 0s - loss: 0.1094
390/1149 [=====>...] - ETA: 0s - loss: 0.1123
370/1148 [=====>...] - ETA: 0s - loss: 0.0901
835/1149 [=====>...] - ETA: 0s - loss: 0.1456
785/1149 [=====>...] - ETA: 0s - loss: 0.7793
935/1149 [=====>...] - ETA: 0s - loss: 0.5313
830/1148 [=====>...] - ETA: 0s - loss: 0.1174
410/1149 [=====>...] - ETA: 0s - loss: 0.1431
400/1149 [=====>...] - ETA: 0s - loss: 0.1022
465/1149 [=====>...] - ETA: 0s - loss: 0.1100
465/1148 [=====>...] - ETA: 0s - loss: 0.0856
910/1149 [=====>...] - ETA: 0s - loss: 0.1468
875/1149 [=====>...] - ETA: 0s - loss: 0.7751
1050/1149 [=====>...] - ETA: 0s - loss: 0.5450
925/1148 [=====>...] - ETA: 0s - loss: 0.1127
500/1149 [=====>...] - ETA: 0s - loss: 0.1351
510/1149 [=====>...] - ETA: 0s - loss: 0.1138
555/1149 [=====>...] - ETA: 0s - loss: 0.1166
560/1148 [=====>...] - ETA: 0s - loss: 0.0850
990/1149 [=====>...] - ETA: 0s - loss: 0.1446
965/1149 [=====>...] - ETA: 0s - loss: 0.7692
1149/1149 [=====] - 1s 542us/step - loss: 0.5505
Epoch 4/10

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5/1149 [...] - ETA: 1s - loss: 1.8392

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1035/1148 [=====>...] - ETA: 0s - loss: 0.1119
585/1149 [=====>...] - ETA: 0s - loss: 0.1313
585/1149 [=====>...] - ETA: 0s - loss: 0.1126
660/1149 [=====>...] - ETA: 0s - loss: 0.1120
670/1148 [=====>...] - ETA: 0s - loss: 0.0822
1080/1149 [=====>..] - ETA: 0s - loss: 0.1415
1040/1149 [=====>...] - ETA: 0s - loss: 0.7731
1148/1148 [=====] - 1s 546us/step - loss: 0.1112
Epoch 4/15

```

```

5/1148 [...] - ETA: 0s - loss: 0.0453
90/1149 [=>...] - ETA: 0s - loss: 0.4793
665/1149 [=====>...] - ETA: 0s - loss: 0.1363
660/1149 [=====>...] - ETA: 0s - loss: 0.1095
770/1149 [=====>...] - ETA: 0s - loss: 0.1078
800/1148 [=====>...] - ETA: 0s - loss: 0.0864
1149/1149 [=====] - 1s 584us/step - loss: 0.1402
Epoch 4/10

```

```

5/1149 [...] - ETA: 0s - loss: 0.6332
1130/1149 [=====>.] - ETA: 0s - loss: 0.7477
165/1149 [===>...] - ETA: 0s - loss: 0.5627
1149/1149 [=====] - 1s 544us/step - loss: 0.7440

```

```

110/1148 [=>...] - ETA: 0s - loss: 0.1091Epoch 4/15

```

```

5/1149 [...] - ETA: 0s - loss: 1.3308
770/1149 [=====>...] - ETA: 0s - loss: 0.1336
765/1149 [=====>...] - ETA: 0s - loss: 0.1082
865/1149 [=====>...] - ETA: 0s - loss: 0.1152
880/1148 [=====>...] - ETA: 0s - loss: 0.0843
105/1149 [=>...] - ETA: 0s - loss: 0.1263
180/1148 [===>...] - ETA: 0s - loss: 0.1149
250/1149 [=====>...] - ETA: 0s - loss: 0.4593
105/1149 [=>...] - ETA: 0s - loss: 0.5419
890/1149 [=====>...] - ETA: 0s - loss: 0.1308
870/1149 [=====>...] - ETA: 0s - loss: 0.1215
945/1149 [=====>...] - ETA: 0s - loss: 0.1108
960/1148 [=====>...] - ETA: 0s - loss: 0.0856
230/1149 [=====>...] - ETA: 0s - loss: 0.1107
330/1149 [=====>...] - ETA: 0s - loss: 0.4512
250/1148 [=====>...] - ETA: 0s - loss: 0.1134
210/1149 [=====>...] - ETA: 0s - loss: 0.6724
995/1149 [=====>...] - ETA: 0s - loss: 0.1400
1035/1149 [=====>...] - ETA: 0s - loss: 0.1130
945/1149 [=====>...] - ETA: 0s - loss: 0.1230
1050/1148 [=====>...] - ETA: 0s - loss: 0.0834
320/1149 [=====>...] - ETA: 0s - loss: 0.1127

```

```

435/1149 [=====>...] - ETA: 0s - loss: 0.4417
350/1148 [=====>...] - ETA: 0s - loss: 0.1284
305/1149 [=====>...] - ETA: 0s - loss: 0.6402
1095/1149 [=====>...] - ETA: 0s - loss: 0.1404
1145/1149 [=====>...] - ETA: 0s - loss: 0.1112
1030/1149 [=====>...] - ETA: 0s - loss: 0.1252
1149/1149 [=====] - 1s 543us/step - loss: 0.1109

1140/1148 [=====>...] - ETA: 0s - loss: 0.0826
1148/1148 [=====] - 1s 547us/step - loss: 0.0824

405/1149 [=====>...] - ETA: 0s - loss: 0.1329
530/1149 [=====>...] - ETA: 0s - loss: 0.3923
1149/1149 [=====] - 1s 523us/step - loss: 0.1403

455/1148 [=====>...] - ETA: 0s - loss: 0.1147Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.0857
390/1149 [=====>...] - ETA: 0s - loss: 0.6145
1120/1149 [=====>...] - ETA: 0s - loss: 0.1227
515/1149 [=====>...] - ETA: 0s - loss: 0.1219
1149/1149 [=====] - 1s 557us/step - loss: 0.1227

640/1149 [=====>...] - ETA: 0s - loss: 0.3945
550/1148 [=====>...] - ETA: 0s - loss: 0.1117
510/1149 [=====>...] - ETA: 0s - loss: 0.5767
115/1149 [==>...] - ETA: 0s - loss: 0.0975
645/1149 [=====>...] - ETA: 0s - loss: 0.1244
775/1149 [=====>...] - ETA: 0s - loss: 0.4343
670/1148 [=====>...] - ETA: 0s - loss: 0.1086
235/1149 [=====>...] - ETA: 0s - loss: 0.1408
620/1149 [=====>...] - ETA: 0s - loss: 0.6025
760/1149 [=====>...] - ETA: 0s - loss: 0.1221
885/1149 [=====>...] - ETA: 0s - loss: 0.4424
775/1148 [=====>...] - ETA: 0s - loss: 0.1051
355/1149 [=====>...] - ETA: 0s - loss: 0.1366
745/1149 [=====>...] - ETA: 0s - loss: 0.6249
875/1149 [=====>...] - ETA: 0s - loss: 0.1202
995/1149 [=====>...] - ETA: 0s - loss: 0.4399
875/1148 [=====>...] - ETA: 0s - loss: 0.1019
860/1149 [=====>...] - ETA: 0s - loss: 0.6572
435/1149 [=====>...] - ETA: 0s - loss: 0.1435
980/1149 [=====>...] - ETA: 0s - loss: 0.1295
1095/1149 [=====>...] - ETA: 0s - loss: 0.4177
990/1148 [=====>...] - ETA: 0s - loss: 0.1031
980/1149 [=====>...] - ETA: 0s - loss: 0.6615
500/1149 [=====>...] - ETA: 0s - loss: 0.1384
1149/1149 [=====] - 1s 517us/step - loss: 0.4158

```

Epoch 5/10

```
5/1149 [...] - ETA: 0s - loss: 0.0795
1075/1149 [=====>...] - ETA: 0s - loss: 0.1280
1070/1148 [=====>...] - ETA: 0s - loss: 0.1032
1050/1149 [=====>...] - ETA: 0s - loss: 0.6608
610/1149 [=====>...] - ETA: 0s - loss: 0.1349
1149/1149 [=====] - 1s 483us/step - loss: 0.1291
Epoch 5/10
```

```
5/1149 [...] - ETA: 0s - loss: 0.1004
115/1149 [==>...] - ETA: 0s - loss: 0.2979
1145/1148 [=====>...] - ETA: 0s - loss: 0.1020
1148/1148 [=====] - 1s 542us/step - loss: 0.1019

730/1149 [=====>...] - ETA: 0s - loss: 0.1334
1120/1149 [=====>...] - ETA: 0s - loss: 0.6446Epoch 5/15
```

```
5/1148 [...] - ETA: 1s - loss: 0.0315
1149/1149 [=====] - 1s 513us/step - loss: 0.6646

110/1149 [=>...] - ETA: 0s - loss: 0.1019
225/1149 [====>...] - ETA: 0s - loss: 0.4215Epoch 5/15
```

```
5/1149 [...] - ETA: 0s - loss: 0.4316
840/1149 [=====>...] - ETA: 0s - loss: 0.1344
85/1148 [=>...] - ETA: 0s - loss: 0.0955
205/1149 [====>...] - ETA: 0s - loss: 0.1048
310/1149 [=====>...] - ETA: 0s - loss: 0.3838
110/1149 [=>...] - ETA: 0s - loss: 0.7170
935/1149 [=====>...] - ETA: 0s - loss: 0.1415
165/1148 [====>...] - ETA: 0s - loss: 0.1038
400/1149 [=====>...] - ETA: 0s - loss: 0.3467
295/1149 [=====>...] - ETA: 0s - loss: 0.1127
205/1149 [====>...] - ETA: 0s - loss: 0.7150
1020/1149 [=====>...] - ETA: 0s - loss: 0.1381
260/1148 [=====>...] - ETA: 0s - loss: 0.0976
480/1149 [=====>...] - ETA: 0s - loss: 0.3550
385/1149 [=====>...] - ETA: 0s - loss: 0.1155
310/1149 [=====>...] - ETA: 0s - loss: 0.6091
1110/1149 [=====>...] - ETA: 0s - loss: 0.1359
355/1148 [=====>...] - ETA: 0s - loss: 0.0982
465/1149 [=====>...] - ETA: 0s - loss: 0.1327
570/1149 [=====>...] - ETA: 0s - loss: 0.3771
415/1149 [=====>...] - ETA: 0s - loss: 0.6164
1149/1149 [=====] - 1s 519us/step - loss: 0.1357
Epoch 5/15
```

```

5/1149 [...] - ETA: 0s - loss: 0.0105
445/1148 [=====>...] - ETA: 0s - loss: 0.1011
560/1149 [=====>...] - ETA: 0s - loss: 0.1339
665/1149 [=====>...] - ETA: 0s - loss: 0.3457
525/1149 [=====>...] - ETA: 0s - loss: 0.5587
95/1149 [=>...] - ETA: 0s - loss: 0.1131
525/1148 [=====>...] - ETA: 0s - loss: 0.0976
650/1149 [=====>...] - ETA: 0s - loss: 0.1279
765/1149 [=====>...] - ETA: 0s - loss: 0.3349
620/1149 [=====>...] - ETA: 0s - loss: 0.6256
190/1149 [===>...] - ETA: 0s - loss: 0.1101Epoch 1/15

5/1149 [...] - ETA: 1:22 - loss: 0.1358Epoch 1/15

5/1149 [...] - ETA: 1:19 - loss: 2.0328
620/1148 [=====>...] - ETA: 0s - loss: 0.1005
745/1149 [=====>...] - ETA: 0s - loss: 0.1275
865/1149 [=====>...] - ETA: 0s - loss: 0.3202
710/1149 [=====>...] - ETA: 0s - loss: 0.6132
65/1149 [>...] - ETA: 6s - loss: 1.4531
300/1149 [=====>...] - ETA: 0s - loss: 0.1076
60/1149 [>...] - ETA: 7s - loss: 0.7812
720/1148 [=====>...] - ETA: 0s - loss: 0.1027
845/1149 [=====>...] - ETA: 0s - loss: 0.1248
960/1149 [=====>...] - ETA: 0s - loss: 0.3059
815/1149 [=====>...] - ETA: 0s - loss: 0.5974
145/1149 [==>...] - ETA: 3s - loss: 1.0302
415/1149 [=====>...] - ETA: 0s - loss: 0.1145
120/1149 [==>...] - ETA: 3s - loss: 0.9802
815/1148 [=====>...] - ETA: 0s - loss: 0.0985
955/1149 [=====>...] - ETA: 0s - loss: 0.1209
1060/1149 [=====>...] - ETA: 0s - loss: 0.3349
925/1149 [=====>...] - ETA: 0s - loss: 0.6146
250/1149 [=====>...] - ETA: 1s - loss: 1.0832
495/1149 [=====>...] - ETA: 0s - loss: 0.1148
175/1149 [===>...] - ETA: 2s - loss: 0.9673
910/1148 [=====>...] - ETA: 0s - loss: 0.0984
1050/1149 [=====>...] - ETA: 0s - loss: 0.1232
1149/1149 [=====] - 1s 538us/step - loss: 0.3246
Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.0510
1030/1149 [=====>...] - ETA: 0s - loss: 0.5871
355/1149 [=====>...] - ETA: 1s - loss: 1.0278
595/1149 [=====>...] - ETA: 0s - loss: 0.1178
225/1149 [=====>...] - ETA: 2s - loss: 0.9009
995/1148 [=====>...] - ETA: 0s - loss: 0.0970
1149/1149 [=====] - 1s 537us/step - loss: 0.1269

```

Epoch 6/10

```
5/1149 [...] - ETA: 0s - loss: 0.0832
105/1149 [=>...] - ETA: 0s - loss: 0.1305
1125/1149 [=====>...] - ETA: 0s - loss: 0.5980
690/1149 [=====>...] - ETA: 0s - loss: 0.1155
405/1149 [=====>...] - ETA: 1s - loss: 1.0178
1149/1149 [=====] - 1s 509us/step - loss: 0.5991
Epoch 6/15
```

```
5/1149 [...] - ETA: 0s - loss: 0.0671
295/1149 [=====>...] - ETA: 1s - loss: 0.9556
1100/1148 [=====>...] - ETA: 0s - loss: 0.0970
105/1149 [=>...] - ETA: 0s - loss: 0.0924
210/1149 [=====>...] - ETA: 0s - loss: 0.1190
1148/1148 [=====] - 1s 563us/step - loss: 0.0965
```

800/1149 [=====>...] - ETA: 0s - loss: 0.1275Epoch 6/15

```
5/1148 [...] - ETA: 0s - loss: 0.1758
495/1149 [=====>...] - ETA: 0s - loss: 1.0039
95/1149 [=>...] - ETA: 0s - loss: 0.5903
385/1149 [=====>...] - ETA: 1s - loss: 0.9998
210/1149 [=====>...] - ETA: 0s - loss: 0.0965
305/1149 [=====>...] - ETA: 0s - loss: 0.2469
95/1148 [=>...] - ETA: 0s - loss: 0.0864
570/1149 [=====>...] - ETA: 0s - loss: 1.0401
910/1149 [=====>...] - ETA: 0s - loss: 0.1289
200/1149 [=====>...] - ETA: 0s - loss: 0.5912
460/1149 [=====>...] - ETA: 1s - loss: 1.0631Epoch 1/20
```

```
5/1148 [...] - ETA: 1:49 - loss: 0.3894
315/1149 [=====>...] - ETA: 0s - loss: 0.0967
415/1149 [=====>...] - ETA: 0s - loss: 0.3295
1000/1149 [=====>...] - ETA: 0s - loss: 0.1312
180/1148 [=====>...] - ETA: 0s - loss: 0.0956
645/1149 [=====>...] - ETA: 0s - loss: 1.0925
300/1149 [=====>...] - ETA: 0s - loss: 0.6618
525/1149 [=====>...] - ETA: 0s - loss: 1.0292
395/1149 [=====>...] - ETA: 0s - loss: 0.1082
1050/1149 [=====>...] - ETA: 0s - loss: 0.1302
485/1149 [=====>...] - ETA: 0s - loss: 0.3113
225/1148 [=====>...] - ETA: 0s - loss: 0.0916
660/1149 [=====>...] - ETA: 0s - loss: 1.0931
40/1148 [>...] - ETA: 14s - loss: 0.3673
340/1149 [=====>...] - ETA: 0s - loss: 0.6582
535/1149 [=====>...] - ETA: 0s - loss: 1.0243
430/1149 [=====>...] - ETA: 0s - loss: 0.1088
```

```

1080/1149 [=====>...] - ETA: 0s - loss: 0.1285
 45/1148 [>...] - ETA: 14s - loss: 0.4002
530/1149 [=====>...] - ETA: 0s - loss: 0.2939
280/1148 [=====>...] - ETA: 0s - loss: 0.0829
700/1149 [=====>...] - ETA: 0s - loss: 1.0709
390/1149 [=====>...] - ETA: 0s - loss: 0.6228
590/1149 [=====>...] - ETA: 0s - loss: 1.0207
1149/1149 [=====] - 1s 577us/step - loss: 0.1329
Epoch 6/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.0946
 80/1148 [=>...] - ETA: 8s - loss: 0.4141
520/1149 [=====>...] - ETA: 0s - loss: 0.1080
640/1149 [=====>...] - ETA: 0s - loss: 0.3023
385/1148 [=====>...] - ETA: 0s - loss: 0.0883
795/1149 [=====>...] - ETA: 0s - loss: 1.0426
480/1149 [=====>...] - ETA: 0s - loss: 0.5965
675/1149 [=====>...] - ETA: 0s - loss: 1.0487
100/1149 [=>...] - ETA: 0s - loss: 0.0787
135/1148 [==>...] - ETA: 5s - loss: 0.3718
625/1149 [=====>...] - ETA: 0s - loss: 0.1214
735/1149 [=====>...] - ETA: 0s - loss: 0.3065
485/1148 [=====>...] - ETA: 0s - loss: 0.0872
885/1149 [=====>...] - ETA: 0s - loss: 1.0597
570/1149 [=====>...] - ETA: 0s - loss: 0.5845
760/1149 [=====>...] - ETA: 0s - loss: 1.0422
225/1149 [====>...] - ETA: 0s - loss: 0.1153
725/1149 [=====>...] - ETA: 0s - loss: 0.1236
180/1148 [===>...] - ETA: 4s - loss: 0.3632
825/1149 [=====>...] - ETA: 0s - loss: 0.2929
590/1148 [=====>...] - ETA: 0s - loss: 0.0962
970/1149 [=====>...] - ETA: 0s - loss: 1.0572
680/1149 [=====>...] - ETA: 0s - loss: 0.5757
860/1149 [=====>...] - ETA: 0s - loss: 1.0609
320/1149 [=====>...] - ETA: 0s - loss: 0.1362
830/1149 [=====>...] - ETA: 0s - loss: 0.1223
225/1148 [====>...] - ETA: 3s - loss: 0.3620
930/1149 [=====>...] - ETA: 0s - loss: 0.2905
680/1148 [=====>...] - ETA: 0s - loss: 0.0959
1080/1149 [=====>...] - ETA: 0s - loss: 1.0168
 780/1149 [=====>...] - ETA: 0s - loss: 0.5459
 925/1149 [=====>...] - ETA: 0s - loss: 1.0319
1149/1149 [=====] - 1s 981us/step - loss: 1.0067

```

```

415/1149 [=====>...] - ETA: 0s - loss: 0.1312Epoch 2/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.5897
940/1149 [=====>...] - ETA: 0s - loss: 0.1210

```

```

1040/1149 [=====>...] - ETA: 0s - loss: 0.2760
275/1148 [=====>...] - ETA: 2s - loss: 0.3580
770/1148 [=====>...] - ETA: 0s - loss: 0.0969
875/1149 [=====>...] - ETA: 0s - loss: 0.5426
1000/1149 [=====>...] - ETA: 0s - loss: 0.9924
125/1149 [==>...] - ETA: 0s - loss: 0.6534
525/1149 [=====>...] - ETA: 0s - loss: 0.1373
1045/1149 [=====>...] - ETA: 0s - loss: 0.1296
1149/1149 [=====] - 1s 549us/step - loss: 0.2647

330/1148 [=====>...] - ETA: 2s - loss: 0.3654
865/1148 [=====>...] - ETA: 0s - loss: 0.0960Epoch 7/10

5/1149 [...] - ETA: 0s - loss: 0.1319
970/1149 [=====>...] - ETA: 0s - loss: 0.5642
1110/1149 [=====>...] - ETA: 0s - loss: 0.9814
195/1149 [====>...] - ETA: 0s - loss: 0.5299
1140/1149 [=====>...] - ETA: 0s - loss: 0.1248
1149/1149 [=====] - 1s 1ms/step - loss: 0.9691

630/1149 [=====>...] - ETA: 0s - loss: 0.1325Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.2677
1149/1149 [=====] - 1s 553us/step - loss: 0.1242

390/1148 [=====>...] - ETA: 1s - loss: 0.3432
965/1148 [=====>...] - ETA: 0s - loss: 0.0932
100/1149 [=>...] - ETA: 0s - loss: 0.2242Epoch 7/10

5/1149 [...] - ETA: 0s - loss: 0.0670
1050/1149 [=====>...] - ETA: 0s - loss: 0.5744
270/1149 [=====>...] - ETA: 0s - loss: 0.5023
740/1149 [=====>...] - ETA: 0s - loss: 0.1272
130/1149 [==>...] - ETA: 0s - loss: 0.3887
1050/1148 [=====>...] - ETA: 0s - loss: 0.0933
210/1149 [====>...] - ETA: 0s - loss: 0.2175
445/1148 [=====>...] - ETA: 1s - loss: 0.3373
100/1149 [=>...] - ETA: 0s - loss: 0.1402
1135/1149 [=====>...] - ETA: 0s - loss: 0.5466
1149/1149 [=====] - 1s 598us/step - loss: 0.5432
Epoch 7/15

5/1149 [...] - ETA: 0s - loss: 0.0686
370/1149 [=====>...] - ETA: 0s - loss: 0.4345
835/1149 [=====>...] - ETA: 0s - loss: 0.1232
230/1149 [=====>...] - ETA: 0s - loss: 0.5000
290/1149 [=====>...] - ETA: 0s - loss: 0.2295
540/1148 [=====>...] - ETA: 1s - loss: 0.3239

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1130/1148 [=====>.] - ETA: 0s - loss: 0.0930  
185/1149 [===>...] - ETA: 0s - loss: 0.1598  
1148/1148 [=====] - 1s 600us/step - loss: 0.0925  
Epoch 7/15

5/1148 [...] - ETA: 0s - loss: 0.0809  
105/1149 [=>...] - ETA: 0s - loss: 0.2597  
470/1149 [=====>...] - ETA: 0s - loss: 0.4090  
915/1149 [=====>...] - ETA: 0s - loss: 0.1205  
325/1149 [=====>...] - ETA: 0s - loss: 0.4882  
380/1149 [=====>...] - ETA: 0s - loss: 0.2349  
270/1149 [=====>...] - ETA: 0s - loss: 0.1413  
645/1148 [=====>...] - ETA: 0s - loss: 0.3172  
90/1148 [=>...] - ETA: 0s - loss: 0.0734  
200/1149 [====>...] - ETA: 0s - loss: 0.5937  
570/1149 [=====>...] - ETA: 0s - loss: 0.3810  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1183  
410/1149 [=====>...] - ETA: 0s - loss: 0.4693  
470/1149 [=====>...] - ETA: 0s - loss: 0.2736  
760/1148 [=====>...] - ETA: 0s - loss: 0.2998  
365/1149 [=====>...] - ETA: 0s - loss: 0.1463  
185/1148 [===>...] - ETA: 0s - loss: 0.0832  
275/1149 [=====>...] - ETA: 0s - loss: 0.5356  
650/1149 [=====>...] - ETA: 0s - loss: 0.3675  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1298  
485/1149 [=====>...] - ETA: 0s - loss: 0.4710  
560/1149 [=====>...] - ETA: 0s - loss: 0.2644  
845/1148 [=====>...] - ETA: 0s - loss: 0.2879  
450/1149 [=====>...] - ETA: 0s - loss: 0.1407  
275/1148 [=====>...] - ETA: 0s - loss: 0.0876  
365/1149 [=====>...] - ETA: 0s - loss: 0.5015  
1149/1149 [=====] - 1s 528us/step - loss: 0.1296  
Epoch 7/15

5/1149 [...] - ETA: 0s - loss: 0.0297  
740/1149 [=====>...] - ETA: 0s - loss: 0.3411  
560/1149 [=====>...] - ETA: 0s - loss: 0.4553  
635/1149 [=====>...] - ETA: 0s - loss: 0.2498  
935/1148 [=====>...] - ETA: 0s - loss: 0.2724  
525/1149 [=====>...] - ETA: 0s - loss: 0.1376  
355/1148 [=====>...] - ETA: 0s - loss: 0.0843  
430/1149 [=====>...] - ETA: 0s - loss: 0.5434  
65/1149 [>...] - ETA: 0s - loss: 0.0979  
820/1149 [=====>...] - ETA: 0s - loss: 0.3259  
640/1149 [=====>...] - ETA: 0s - loss: 0.4314  
720/1149 [=====>...] - ETA: 0s - loss: 0.2520  
1010/1148 [=====>...] - ETA: 0s - loss: 0.2606  
620/1149 [=====>...] - ETA: 0s - loss: 0.1341

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450/1148 [=====>...] - ETA: 0s - loss: 0.0889
530/1149 [=====>...] - ETA: 0s - loss: 0.5761
160/1149 [===>...] - ETA: 0s - loss: 0.1634
915/1149 [=====>...] - ETA: 0s - loss: 0.3123
730/1149 [=====>...] - ETA: 0s - loss: 0.4154
815/1149 [=====>...] - ETA: 0s - loss: 0.2561
1095/1148 [=====>..] - ETA: 0s - loss: 0.2584
710/1149 [=====>...] - ETA: 0s - loss: 0.1336
530/1148 [=====>...] - ETA: 0s - loss: 0.0900
625/1149 [=====>...] - ETA: 0s - loss: 0.5456
235/1149 [=====>...] - ETA: 0s - loss: 0.1544
1148/1148 [=====] - 1s 1ms/step - loss: 0.2542
Epoch 2/20

5/1148 [...] - ETA: 0s - loss: 0.2671
1025/1149 [=====>...] - ETA: 0s - loss: 0.2996
820/1149 [=====>...] - ETA: 0s - loss: 0.4078
930/1149 [=====>...] - ETA: 0s - loss: 0.2462
805/1149 [=====>...] - ETA: 0s - loss: 0.1304
610/1148 [=====>...] - ETA: 0s - loss: 0.0925
715/1149 [=====>...] - ETA: 0s - loss: 0.5261
320/1149 [=====>...] - ETA: 0s - loss: 0.1652
90/1148 [=>...] - ETA: 0s - loss: 0.1321
1130/1149 [=====>.] - ETA: 0s - loss: 0.2873
1149/1149 [=====] - 1s 547us/step - loss: 0.2883

910/1149 [=====>...] - ETA: 0s - loss: 0.3883Epoch 3/15

5/1149 [...] - ETA: 0s - loss: 0.2427
1035/1149 [=====>...] - ETA: 0s - loss: 0.2362
905/1149 [=====>...] - ETA: 0s - loss: 0.1270
710/1148 [=====>...] - ETA: 0s - loss: 0.0919
800/1149 [=====>...] - ETA: 0s - loss: 0.5284
415/1149 [=====>...] - ETA: 0s - loss: 0.1502
180/1148 [===>...] - ETA: 0s - loss: 0.1396
1000/1149 [=====>...] - ETA: 0s - loss: 0.3881
100/1149 [=>...] - ETA: 0s - loss: 0.1596
1130/1149 [=====>.] - ETA: 0s - loss: 0.2261
1000/1149 [=====>...] - ETA: 0s - loss: 0.1262
1149/1149 [=====] - 1s 551us/step - loss: 0.2260
Epoch 8/10

5/1149 [...] - ETA: 0s - loss: 0.0559
810/1148 [=====>...] - ETA: 0s - loss: 0.0888
900/1149 [=====>...] - ETA: 0s - loss: 0.5092
510/1149 [=====>...] - ETA: 0s - loss: 0.1467
270/1148 [=====>...] - ETA: 0s - loss: 0.1451
1090/1149 [=====>..] - ETA: 0s - loss: 0.3752

```

```

195/1149 [====>...] - ETA: 0s - loss: 0.1908
1090/1149 [=====>...] - ETA: 0s - loss: 0.1243
 95/1149 [=>...] - ETA: 0s - loss: 0.1814
985/1149 [=====>...] - ETA: 0s - loss: 0.5187
895/1148 [=====>...] - ETA: 0s - loss: 0.0872
615/1149 [=====>...] - ETA: 0s - loss: 0.1393
1149/1149 [=====] - 1s 572us/step - loss: 0.3694
Epoch 3/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.6738
360/1148 [=====>...] - ETA: 0s - loss: 0.1485
1149/1149 [=====] - 1s 579us/step - loss: 0.1232
Epoch 8/10

```

```

 5/1149 [...] - ETA: 0s - loss: 0.0756
305/1149 [=====>...] - ETA: 0s - loss: 0.1745
190/1149 [====>...] - ETA: 0s - loss: 0.2030
1075/1149 [=====>...] - ETA: 0s - loss: 0.5014
990/1148 [=====>...] - ETA: 0s - loss: 0.0837
710/1149 [=====>...] - ETA: 0s - loss: 0.1382
 90/1149 [=>...] - ETA: 0s - loss: 0.2351
455/1148 [=====>...] - ETA: 0s - loss: 0.1419
 90/1149 [=>...] - ETA: 0s - loss: 0.1008
395/1149 [=====>...] - ETA: 0s - loss: 0.1673
1149/1149 [=====] - 1s 571us/step - loss: 0.4942
Epoch 8/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.0908
285/1149 [=====>...] - ETA: 0s - loss: 0.2309
1080/1148 [=====>...] - ETA: 0s - loss: 0.0869
820/1149 [=====>...] - ETA: 0s - loss: 0.1354
175/1149 [====>...] - ETA: 0s - loss: 0.2540
545/1148 [=====>...] - ETA: 0s - loss: 0.1404
200/1149 [====>...] - ETA: 0s - loss: 0.0973
490/1149 [=====>...] - ETA: 0s - loss: 0.1666
100/1149 [=>...] - ETA: 0s - loss: 0.2743
1148/1148 [=====] - 1s 583us/step - loss: 0.0905

```

```

380/1149 [=====>...] - ETA: 0s - loss: 0.2071Epoch 8/15

```

```

 5/1148 [...] - ETA: 0s - loss: 0.1744
915/1149 [=====>...] - ETA: 0s - loss: 0.1300
265/1149 [=====>...] - ETA: 0s - loss: 0.2682
645/1148 [=====>...] - ETA: 0s - loss: 0.1343
295/1149 [=====>...] - ETA: 0s - loss: 0.1016
585/1149 [=====>...] - ETA: 0s - loss: 0.1610
460/1149 [=====>...] - ETA: 0s - loss: 0.2014
 95/1148 [=>...] - ETA: 0s - loss: 0.1199

```

```

180/1149 [===>...] - ETA: 0s - loss: 0.3448
1005/1149 [=====>...] - ETA: 0s - loss: 0.1314
350/1149 [=====>...] - ETA: 0s - loss: 0.2451
740/1148 [=====>...] - ETA: 0s - loss: 0.1276
390/1149 [=====>...] - ETA: 0s - loss: 0.1181
675/1149 [=====>...] - ETA: 0s - loss: 0.1544
565/1149 [=====>...] - ETA: 0s - loss: 0.1958
275/1149 [=====>...] - ETA: 0s - loss: 0.3809
185/1148 [===>...] - ETA: 0s - loss: 0.1001
1110/1149 [=====>...] - ETA: 0s - loss: 0.1295
445/1149 [=====>...] - ETA: 0s - loss: 0.2445
825/1148 [=====>...] - ETA: 0s - loss: 0.1234
480/1149 [=====>...] - ETA: 0s - loss: 0.1239
1149/1149 [=====] - 1s 565us/step - loss: 0.1268

765/1149 [=====>...] - ETA: 0s - loss: 0.1516Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.1067
665/1149 [=====>...] - ETA: 0s - loss: 0.1922
370/1149 [=====>...] - ETA: 0s - loss: 0.5695
260/1148 [=====>...] - ETA: 0s - loss: 0.0936
535/1149 [=====>...] - ETA: 0s - loss: 0.2281
920/1148 [=====>...] - ETA: 0s - loss: 0.1182
575/1149 [=====>...] - ETA: 0s - loss: 0.1200
90/1149 [=>...] - ETA: 0s - loss: 0.1129
875/1149 [=====>...] - ETA: 0s - loss: 0.1623
735/1149 [=====>...] - ETA: 0s - loss: 0.2061
485/1149 [=====>...] - ETA: 0s - loss: 0.4831
355/1148 [=====>...] - ETA: 0s - loss: 0.0887
610/1149 [=====>...] - ETA: 0s - loss: 0.2279
1005/1148 [=====>...] - ETA: 0s - loss: 0.1176
670/1149 [=====>...] - ETA: 0s - loss: 0.1224
165/1149 [===>...] - ETA: 0s - loss: 0.1151
980/1149 [=====>...] - ETA: 0s - loss: 0.1578
815/1149 [=====>...] - ETA: 0s - loss: 0.2075
595/1149 [=====>...] - ETA: 0s - loss: 0.4536
470/1148 [=====>...] - ETA: 0s - loss: 0.0908
680/1149 [=====>...] - ETA: 0s - loss: 0.2235
1080/1148 [=====>...] - ETA: 0s - loss: 0.1229
755/1149 [=====>...] - ETA: 0s - loss: 0.1225
265/1149 [=====>...] - ETA: 0s - loss: 0.1559
1075/1149 [=====>...] - ETA: 0s - loss: 0.1587
905/1149 [=====>...] - ETA: 0s - loss: 0.1999
695/1149 [=====>...] - ETA: 0s - loss: 0.4539
1148/1148 [=====] - 1s 565us/step - loss: 0.1212

540/1148 [=====>...] - ETA: 0s - loss: 0.0898Epoch 3/20

```

5/1148 [...] - ETA: 0s - loss: 0.0706  
770/1149 [=====>...] - ETA: 0s - loss: 0.2229  
1149/1149 [=====] - 1s 531us/step - loss: 0.1568  
Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.0358  
850/1149 [=====>...] - ETA: 0s - loss: 0.1209  
350/1149 [=====>...] - ETA: 0s - loss: 0.1542  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1916  
790/1149 [=====>...] - ETA: 0s - loss: 0.4297  
115/1148 [==>...] - ETA: 0s - loss: 0.1276  
625/1148 [=====>...] - ETA: 0s - loss: 0.0923  
870/1149 [=====>...] - ETA: 0s - loss: 0.2248  
945/1149 [=====>...] - ETA: 0s - loss: 0.1291  
100/1149 [=>...] - ETA: 0s - loss: 0.2810  
455/1149 [=====>...] - ETA: 0s - loss: 0.1452  
1130/1149 [=====>.] - ETA: 0s - loss: 0.2013  
880/1149 [=====>...] - ETA: 0s - loss: 0.4433  
1149/1149 [=====] - 1s 543us/step - loss: 0.1994

215/1148 [====>...] - ETA: 0s - loss: 0.1262  
685/1148 [=====>...] - ETA: 0s - loss: 0.0887Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.0349  
960/1149 [=====>...] - ETA: 0s - loss: 0.2306  
185/1149 [====>...] - ETA: 0s - loss: 0.1861  
1035/1149 [=====>...] - ETA: 0s - loss: 0.1249  
540/1149 [=====>...] - ETA: 0s - loss: 0.1432  
980/1149 [=====>...] - ETA: 0s - loss: 0.4599  
100/1149 [=>...] - ETA: 0s - loss: 0.1755  
295/1148 [=====>...] - ETA: 0s - loss: 0.1415  
780/1148 [=====>...] - ETA: 0s - loss: 0.0876  
1060/1149 [=====>...] - ETA: 0s - loss: 0.2287  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1237  
285/1149 [=====>...] - ETA: 0s - loss: 0.1581  
1149/1149 [=====] - 1s 546us/step - loss: 0.1229  
Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.0266  
640/1149 [=====>...] - ETA: 0s - loss: 0.1377  
1070/1149 [=====>...] - ETA: 0s - loss: 0.4468  
865/1148 [=====>...] - ETA: 0s - loss: 0.0841  
385/1148 [=====>...] - ETA: 0s - loss: 0.1298  
210/1149 [====>...] - ETA: 0s - loss: 0.1802  
1140/1149 [=====>.] - ETA: 0s - loss: 0.2302  
1149/1149 [=====] - 1s 586us/step - loss: 0.2299  
Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.1264  
385/1149 [=====>...] - ETA: 0s - loss: 0.1534  
95/1149 [=>...] - ETA: 0s - loss: 0.1235  
1149/1149 [=====] - 1s 537us/step - loss: 0.4502

745/1149 [=====>...] - ETA: 0s - loss: 0.1337Epoch 9/15

5/1149 [...] - ETA: 0s - loss: 0.1600  
480/1148 [=====>...] - ETA: 0s - loss: 0.1242  
300/1149 [=====>...] - ETA: 0s - loss: 0.2072  
980/1148 [=====>...] - ETA: 0s - loss: 0.0831  
80/1149 [=>...] - ETA: 0s - loss: 0.2031  
475/1149 [=====>...] - ETA: 0s - loss: 0.1469  
185/1149 [===>...] - ETA: 0s - loss: 0.1192  
850/1149 [=====>...] - ETA: 0s - loss: 0.1327  
110/1149 [=>...] - ETA: 0s - loss: 0.3067  
565/1148 [=====>...] - ETA: 0s - loss: 0.1189  
380/1149 [=====>...] - ETA: 0s - loss: 0.1948  
1080/1148 [=====>...] - ETA: 0s - loss: 0.0888  
155/1149 [===>...] - ETA: 0s - loss: 0.1876  
565/1149 [=====>...] - ETA: 0s - loss: 0.1418  
1148/1148 [=====] - 1s 575us/step - loss: 0.0886  
Epoch 9/15

5/1148 [...] - ETA: 0s - loss: 0.0890  
290/1149 [=====>...] - ETA: 0s - loss: 0.1109  
955/1149 [=====>...] - ETA: 0s - loss: 0.1315  
190/1149 [===>...] - ETA: 0s - loss: 0.2880  
465/1149 [=====>...] - ETA: 0s - loss: 0.1982  
650/1148 [=====>...] - ETA: 0s - loss: 0.1153  
240/1149 [=====>...] - ETA: 0s - loss: 0.1970  
665/1149 [=====>...] - ETA: 0s - loss: 0.1362  
380/1149 [=====>...] - ETA: 0s - loss: 0.1115  
1045/1149 [=====>...] - ETA: 0s - loss: 0.1274  
305/1149 [=====>...] - ETA: 0s - loss: 0.3032  
100/1148 [=>...] - ETA: 0s - loss: 0.0712  
560/1149 [=====>...] - ETA: 0s - loss: 0.1804  
735/1148 [=====>...] - ETA: 0s - loss: 0.1107  
325/1149 [=====>...] - ETA: 0s - loss: 0.1940  
765/1149 [=====>...] - ETA: 0s - loss: 0.1325  
470/1149 [=====>...] - ETA: 0s - loss: 0.1172  
1149/1149 [=====] - 1s 542us/step - loss: 0.1265

400/1149 [=====>...] - ETA: 0s - loss: 0.3946Epoch 9/15

5/1149 [...] - ETA: 0s - loss: 0.0462  
190/1148 [===>...] - ETA: 0s - loss: 0.0720  
825/1148 [=====>...] - ETA: 0s - loss: 0.1130

660/1149 [=====>...] - ETA: 0s - loss: 0.1925  
 415/1149 [=====>...] - ETA: 0s - loss: 0.1831  
 860/1149 [=====>...] - ETA: 0s - loss: 0.1345  
 565/1149 [=====>...] - ETA: 0s - loss: 0.1288  
 100/1149 [=>...] - ETA: 0s - loss: 0.0896  
 500/1149 [=====>...] - ETA: 0s - loss: 0.3675  
 280/1148 [=====>...] - ETA: 0s - loss: 0.0762  
 925/1148 [=====>...] - ETA: 0s - loss: 0.1116  
 750/1149 [=====>...] - ETA: 0s - loss: 0.1838  
 520/1149 [=====>...] - ETA: 0s - loss: 0.1767  
 950/1149 [=====>...] - ETA: 0s - loss: 0.1322  
 660/1149 [=====>...] - ETA: 0s - loss: 0.1217  
 360/1148 [=====>...] - ETA: 0s - loss: 0.0786  
 590/1149 [=====>...] - ETA: 0s - loss: 0.3522  
 200/1149 [=====>...] - ETA: 0s - loss: 0.1140  
 1015/1148 [=====>...] - ETA: 0s - loss: 0.1078  
 835/1149 [=====>...] - ETA: 0s - loss: 0.1829  
 620/1149 [=====>...] - ETA: 0s - loss: 0.1723  
 1040/1149 [=====>...] - ETA: 0s - loss: 0.1356  
 755/1149 [=====>...] - ETA: 0s - loss: 0.1256  
 670/1149 [=====>...] - ETA: 0s - loss: 0.3414  
 445/1148 [=====>...] - ETA: 0s - loss: 0.0880  
 290/1149 [=====>...] - ETA: 0s - loss: 0.1488  
 925/1149 [=====>...] - ETA: 0s - loss: 0.1795  
 1095/1148 [=====>...] - ETA: 0s - loss: 0.1089  
 715/1149 [=====>...] - ETA: 0s - loss: 0.1805  
 1149/1149 [=====] - 1s 536us/step - loss: 0.1351  
 Epoch 5/15

5/1149 [...] - ETA: 0s - loss: 0.0883  
 1148/1148 [=====] - 1s 568us/step - loss: 0.1073  
 Epoch 4/20

5/1148 [...] - ETA: 0s - loss: 0.0451  
 855/1149 [=====>...] - ETA: 0s - loss: 0.1289  
 760/1149 [=====>...] - ETA: 0s - loss: 0.3549  
 540/1148 [=====>...] - ETA: 0s - loss: 0.0852  
 375/1149 [=====>...] - ETA: 0s - loss: 0.1387  
 1040/1149 [=====>...] - ETA: 0s - loss: 0.1766  
 805/1149 [=====>...] - ETA: 0s - loss: 0.1789  
 110/1149 [=>...] - ETA: 0s - loss: 0.1273  
 85/1148 [=>...] - ETA: 0s - loss: 0.0937  
 945/1149 [=====>...] - ETA: 0s - loss: 0.1274  
 855/1149 [=====>...] - ETA: 0s - loss: 0.3532  
 465/1149 [=====>...] - ETA: 0s - loss: 0.1332  
 650/1148 [=====>...] - ETA: 0s - loss: 0.0849  
 1135/1149 [=====>...] - ETA: 0s - loss: 0.1824  
 1149/1149 [=====] - 1s 546us/step - loss: 0.1820

Epoch 10/10

5/1149 [...] - ETA: 0s - loss: 0.1273  
885/1149 [=====>...] - ETA: 0s - loss: 0.1845  
200/1149 [====>...] - ETA: 0s - loss: 0.1169  
175/1148 [===>...] - ETA: 0s - loss: 0.1191  
945/1149 [=====>...] - ETA: 0s - loss: 0.3829  
555/1149 [=====>...] - ETA: 0s - loss: 0.1283  
1025/1149 [=====>...] - ETA: 0s - loss: 0.1263  
725/1148 [=====>...] - ETA: 0s - loss: 0.0853  
95/1149 [=>...] - ETA: 0s - loss: 0.1654  
980/1149 [=====>...] - ETA: 0s - loss: 0.1844  
290/1149 [=====>...] - ETA: 0s - loss: 0.1092  
270/1148 [=====>...] - ETA: 0s - loss: 0.1148  
1050/1149 [=====>...] - ETA: 0s - loss: 0.4068  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1229  
800/1148 [=====>...] - ETA: 0s - loss: 0.0888  
640/1149 [=====>...] - ETA: 0s - loss: 0.1275  
1149/1149 [=====] - 1s 556us/step - loss: 0.1223  
Epoch 10/10

5/1149 [...] - ETA: 0s - loss: 0.1621  
180/1149 [===>...] - ETA: 0s - loss: 0.2168  
1075/1149 [=====>..] - ETA: 0s - loss: 0.1884  
390/1149 [=====>...] - ETA: 0s - loss: 0.1181  
370/1148 [=====>...] - ETA: 0s - loss: 0.1068  
1149/1149 [=====] - 1s 535us/step - loss: 0.4108  
  
900/1148 [=====>...] - ETA: 0s - loss: 0.0856  
735/1149 [=====>...] - ETA: 0s - loss: 0.1247Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.3581  
95/1149 [=>...] - ETA: 0s - loss: 0.0998  
280/1149 [=====>...] - ETA: 0s - loss: 0.1807  
1149/1149 [=====] - 1s 586us/step - loss: 0.1948

485/1149 [=====>...] - ETA: 0s - loss: 0.1164Epoch 5/15

5/1149 [...] - ETA: 0s - loss: 0.1058  
470/1148 [=====>...] - ETA: 0s - loss: 0.1052  
100/1149 [=>...] - ETA: 0s - loss: 0.6943  
1015/1148 [=====>...] - ETA: 0s - loss: 0.0882  
830/1149 [=====>...] - ETA: 0s - loss: 0.1230  
375/1149 [=====>...] - ETA: 0s - loss: 0.1715  
175/1149 [===>...] - ETA: 0s - loss: 0.1021  
570/1149 [=====>...] - ETA: 0s - loss: 0.1331  
85/1149 [=>...] - ETA: 0s - loss: 0.1387  
580/1148 [=====>...] - ETA: 0s - loss: 0.1059



185/1149 [===>...] - ETA: 0s - loss: 0.6062  
915/1149 [=====>...] - ETA: 0s - loss: 0.1268  
1130/1148 [=====>.] - ETA: 0s - loss: 0.0866  
1148/1148 [=====] - 1s 553us/step - loss: 0.0867  
Epoch 10/15

5/1148 [...] - ETA: 0s - loss: 0.0220  
255/1149 [=====>...] - ETA: 0s - loss: 0.1085  
470/1149 [=====>...] - ETA: 0s - loss: 0.2058  
665/1149 [=====>...] - ETA: 0s - loss: 0.1297  
155/1149 [===>...] - ETA: 0s - loss: 0.1847  
685/1148 [=====>...] - ETA: 0s - loss: 0.1029  
285/1149 [=====>...] - ETA: 0s - loss: 0.5183  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1240  
95/1148 [=>...] - ETA: 0s - loss: 0.0754  
345/1149 [=====>...] - ETA: 0s - loss: 0.1112  
570/1149 [=====>...] - ETA: 0s - loss: 0.1995  
775/1149 [=====>...] - ETA: 0s - loss: 0.1275  
785/1148 [=====>...] - ETA: 0s - loss: 0.1038  
230/1149 [=====>...] - ETA: 0s - loss: 0.2155  
380/1149 [=====>...] - ETA: 0s - loss: 0.4622  
1105/1149 [=====>..] - ETA: 0s - loss: 0.1260  
190/1148 [===>...] - ETA: 0s - loss: 0.0852  
445/1149 [=====>...] - ETA: 0s - loss: 0.1129  
665/1149 [=====>...] - ETA: 0s - loss: 0.1917  
1149/1149 [=====] - 1s 557us/step - loss: 0.1242  
Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.0471  
875/1149 [=====>...] - ETA: 0s - loss: 0.1264  
875/1148 [=====>...] - ETA: 0s - loss: 0.1005  
320/1149 [=====>...] - ETA: 0s - loss: 0.2152  
475/1149 [=====>...] - ETA: 0s - loss: 0.4471  
270/1148 [=====>...] - ETA: 0s - loss: 0.0886  
540/1149 [=====>...] - ETA: 0s - loss: 0.1206  
765/1149 [=====>...] - ETA: 0s - loss: 0.1799  
115/1149 [==>...] - ETA: 0s - loss: 0.1401  
960/1149 [=====>...] - ETA: 0s - loss: 0.1333  
420/1149 [=====>...] - ETA: 0s - loss: 0.1950  
950/1148 [=====>...] - ETA: 0s - loss: 0.1010  
570/1149 [=====>...] - ETA: 0s - loss: 0.3989  
340/1148 [=====>...] - ETA: 0s - loss: 0.0850  
620/1149 [=====>...] - ETA: 0s - loss: 0.1246  
880/1149 [=====>...] - ETA: 0s - loss: 0.1724  
220/1149 [=====>...] - ETA: 0s - loss: 0.1432  
1045/1149 [=====>...] - ETA: 0s - loss: 0.1323  
535/1149 [=====>...] - ETA: 0s - loss: 0.1891  
1035/1148 [=====>...] - ETA: 0s - loss: 0.1028

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655/1149 [=====>...] - ETA: 0s - loss: 0.4072
430/1148 [=====>...] - ETA: 0s - loss: 0.0839
715/1149 [=====>...] - ETA: 0s - loss: 0.1292
975/1149 [=====>...] - ETA: 0s - loss: 0.1656
305/1149 [=====>...] - ETA: 0s - loss: 0.1306
1145/1149 [=====>.] - ETA: 0s - loss: 0.1296
1149/1149 [=====] - 1s 537us/step - loss: 0.1293

620/1149 [=====>...] - ETA: 0s - loss: 0.1871Epoch 6/15

5/1149 [...] - ETA: 0s - loss: 0.0406
1148/1148 [=====] - 1s 536us/step - loss: 0.0995
Epoch 5/20

5/1148 [...] - ETA: 0s - loss: 0.0345
745/1149 [=====>...] - ETA: 0s - loss: 0.4151
800/1149 [=====>...] - ETA: 0s - loss: 0.1254
515/1148 [=====>...] - ETA: 0s - loss: 0.0871
1075/1149 [=====>..] - ETA: 0s - loss: 0.1591
395/1149 [=====>...] - ETA: 0s - loss: 0.1237
705/1149 [=====>...] - ETA: 0s - loss: 0.1839
115/1149 [==>...] - ETA: 0s - loss: 0.0942
105/1148 [=>...] - ETA: 0s - loss: 0.1337
835/1149 [=====>...] - ETA: 0s - loss: 0.4007
1149/1149 [=====] - 1s 529us/step - loss: 0.1672

885/1149 [=====>...] - ETA: 0s - loss: 0.1239
615/1148 [=====>...] - ETA: 0s - loss: 0.0864
490/1149 [=====>...] - ETA: 0s - loss: 0.1215
775/1149 [=====>...] - ETA: 0s - loss: 0.1844
195/1148 [====>...] - ETA: 0s - loss: 0.1126
200/1149 [====>...] - ETA: 0s - loss: 0.0924
900/1149 [=====>...] - ETA: 0s - loss: 0.3905
960/1149 [=====>...] - ETA: 0s - loss: 0.1225
710/1148 [=====>...] - ETA: 0s - loss: 0.0894
590/1149 [=====>...] - ETA: 0s - loss: 0.1168
860/1149 [=====>...] - ETA: 0s - loss: 0.1796
280/1149 [=====>...] - ETA: 0s - loss: 0.1080
285/1148 [=====>...] - ETA: 0s - loss: 0.1057
990/1149 [=====>...] - ETA: 0s - loss: 0.3945
1080/1149 [=====>..] - ETA: 0s - loss: 0.1186
805/1148 [=====>...] - ETA: 0s - loss: 0.0879
705/1149 [=====>...] - ETA: 0s - loss: 0.1203
960/1149 [=====>...] - ETA: 0s - loss: 0.1797
375/1149 [=====>...] - ETA: 0s - loss: 0.1107
375/1148 [=====>...] - ETA: 0s - loss: 0.1021
1090/1149 [=====>..] - ETA: 0s - loss: 0.3842
1149/1149 [=====] - 1s 562us/step - loss: 0.1192

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1149/1149 [=====] - 1s 557us/step - loss: 0.3774

915/1148 [=====>...] - ETA: 0s - loss: 0.0876Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.0588

805/1149 [=====>...] - ETA: 0s - loss: 0.1155

1065/1149 [=====>...] - ETA: 0s - loss: 0.1830

495/1149 [=====>...] - ETA: 0s - loss: 0.1233

470/1148 [=====>...] - ETA: 0s - loss: 0.1036

1149/1149 [=====] - 1s 569us/step - loss: 0.1807

Epoch 6/15

5/1149 [...] - ETA: 0s - loss: 0.1015

995/1148 [=====>...] - ETA: 0s - loss: 0.0878

880/1149 [=====>...] - ETA: 0s - loss: 0.1154

105/1149 [=>...] - ETA: 0s - loss: 0.4302

625/1149 [=====>...] - ETA: 0s - loss: 0.1203

580/1148 [=====>...] - ETA: 0s - loss: 0.0979

110/1149 [=>...] - ETA: 0s - loss: 0.1446

1090/1148 [=====>...] - ETA: 0s - loss: 0.0864

975/1149 [=====>...] - ETA: 0s - loss: 0.1230

205/1149 [=====>...] - ETA: 0s - loss: 0.3283

730/1149 [=====>...] - ETA: 0s - loss: 0.1253

675/1148 [=====>...] - ETA: 0s - loss: 0.0955

1148/1148 [=====] - 1s 567us/step - loss: 0.0859

Epoch 11/15

5/1148 [...] - ETA: 0s - loss: 0.0755

220/1149 [=====>...] - ETA: 0s - loss: 0.1476

1090/1149 [=====>...] - ETA: 0s - loss: 0.1198

320/1149 [=====>...] - ETA: 0s - loss: 0.3780

830/1149 [=====>...] - ETA: 0s - loss: 0.1368

765/1148 [=====>...] - ETA: 0s - loss: 0.0994

115/1148 [=>...] - ETA: 0s - loss: 0.0962

1149/1149 [=====] - 1s 519us/step - loss: 0.1221

Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.1207

335/1149 [=====>...] - ETA: 0s - loss: 0.1640

425/1149 [=====>...] - ETA: 0s - loss: 0.3673

935/1149 [=====>...] - ETA: 0s - loss: 0.1329

855/1148 [=====>...] - ETA: 0s - loss: 0.0975

225/1148 [=====>...] - ETA: 0s - loss: 0.0824

105/1149 [=>...] - ETA: 0s - loss: 0.0967

450/1149 [=====>...] - ETA: 0s - loss: 0.1675

535/1149 [=====>...] - ETA: 0s - loss: 0.3446

1030/1149 [=====>...] - ETA: 0s - loss: 0.1292

955/1148 [=====>...] - ETA: 0s - loss: 0.0961  
 310/1148 [=====>...] - ETA: 0s - loss: 0.0806  
 185/1149 [===>...] - ETA: 0s - loss: 0.0940  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1671  
 640/1149 [=====>...] - ETA: 0s - loss: 0.3693  
 1130/1149 [=====>.] - ETA: 0s - loss: 0.1257  
 1065/1148 [=====>...] - ETA: 0s - loss: 0.0967  
 400/1148 [=====>...] - ETA: 0s - loss: 0.0784  
 1149/1149 [=====] - 1s 506us/step - loss: 0.1254  
 Epoch 7/15

5/1149 [...] - ETA: 1s - loss: 0.0105  
 270/1149 [=====>...] - ETA: 0s - loss: 0.1055  
 640/1149 [=====>...] - ETA: 0s - loss: 0.1687  
 720/1149 [=====>...] - ETA: 0s - loss: 0.3800  
 1148/1148 [=====] - 1s 527us/step - loss: 0.0951  
 Epoch 6/20

5/1148 [...] - ETA: 0s - loss: 0.0630  
 505/1148 [=====>...] - ETA: 0s - loss: 0.0747  
 95/1149 [=>...] - ETA: 0s - loss: 0.0991  
 365/1149 [=====>...] - ETA: 0s - loss: 0.1109  
 710/1149 [=====>...] - ETA: 0s - loss: 0.1645  
 825/1149 [=====>...] - ETA: 0s - loss: 0.3565  
 105/1148 [=>...] - ETA: 0s - loss: 0.0734  
 630/1148 [=====>...] - ETA: 0s - loss: 0.0781  
 185/1149 [===>...] - ETA: 0s - loss: 0.1322  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1064  
 780/1149 [=====>...] - ETA: 0s - loss: 0.1621  
 920/1149 [=====>...] - ETA: 0s - loss: 0.3586  
 225/1148 [===>...] - ETA: 0s - loss: 0.0791  
 730/1148 [=====>...] - ETA: 0s - loss: 0.0802  
 275/1149 [=====>...] - ETA: 0s - loss: 0.1224  
 550/1149 [=====>...] - ETA: 0s - loss: 0.1168  
 870/1149 [=====>...] - ETA: 0s - loss: 0.1707  
 1035/1149 [=====>...] - ETA: 0s - loss: 0.3585  
 325/1148 [=====>...] - ETA: 0s - loss: 0.0826  
 825/1148 [=====>...] - ETA: 0s - loss: 0.0794  
 650/1149 [=====>...] - ETA: 0s - loss: 0.1228  
 350/1149 [=====>...] - ETA: 0s - loss: 0.1199  
 955/1149 [=====>...] - ETA: 0s - loss: 0.1696  
 1140/1149 [=====>.] - ETA: 0s - loss: 0.3512  
 1149/1149 [=====] - 1s 501us/step - loss: 0.3488

415/1148 [=====>...] - ETA: 0s - loss: 0.0887Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.1336  
 910/1148 [=====>...] - ETA: 0s - loss: 0.0851

750/1149 [=====>...] - ETA: 0s - loss: 0.1195  
 430/1149 [=====>...] - ETA: 0s - loss: 0.1330  
 1035/1149 [=====>...] - ETA: 0s - loss: 0.1711  
 495/1148 [=====>...] - ETA: 0s - loss: 0.0863  
 90/1149 [=>...] - ETA: 0s - loss: 0.5558  
 995/1148 [=====>...] - ETA: 0s - loss: 0.0846  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1272  
 525/1149 [=====>...] - ETA: 0s - loss: 0.1447  
 1115/1149 [=====>.] - ETA: 0s - loss: 0.1690  
 585/1148 [=====>...] - ETA: 0s - loss: 0.0842  
 180/1149 [==>...] - ETA: 0s - loss: 0.3472  
 1085/1148 [=====>..] - ETA: 0s - loss: 0.0850  
 1149/1149 [=====] - 1s 560us/step - loss: 0.1680  
 Epoch 7/15

5/1149 [...] - ETA: 1s - loss: 0.0525  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1292  
 610/1149 [=====>...] - ETA: 0s - loss: 0.1370  
 1148/1148 [=====] - 1s 519us/step - loss: 0.0851  
 Epoch 12/15

5/1148 [...] - ETA: 0s - loss: 0.0339  
 670/1148 [=====>...] - ETA: 0s - loss: 0.0842  
 275/1149 [=====>...] - ETA: 0s - loss: 0.2663  
 95/1149 [=>...] - ETA: 0s - loss: 0.1041  
 1045/1149 [=====>...] - ETA: 0s - loss: 0.1266Epoch 1/20

5/1149 [...] - ETA: 1:35 - loss: 1.5515  
 700/1149 [=====>...] - ETA: 0s - loss: 0.1341  
 85/1148 [=>...] - ETA: 0s - loss: 0.0777  
 770/1148 [=====>...] - ETA: 0s - loss: 0.0867  
 385/1149 [=====>...] - ETA: 0s - loss: 0.3119  
 180/1149 [==>...] - ETA: 0s - loss: 0.1538  
 1140/1149 [=====>.] - ETA: 0s - loss: 0.1225  
 1149/1149 [=====] - 1s 543us/step - loss: 0.1222

800/1149 [=====>...] - ETA: 0s - loss: 0.1305Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.1951  
 55/1149 [>...] - ETA: 9s - loss: 0.8442  
 175/1148 [==>...] - ETA: 0s - loss: 0.0725  
 880/1148 [=====>...] - ETA: 0s - loss: 0.0917  
 500/1149 [=====>...] - ETA: 0s - loss: 0.3127  
 275/1149 [=====>...] - ETA: 0s - loss: 0.1487  
 900/1149 [=====>...] - ETA: 0s - loss: 0.1277  
 105/1149 [=>...] - ETA: 0s - loss: 0.1814  
 115/1149 [==>...] - ETA: 4s - loss: 0.9598  
 265/1148 [=====>...] - ETA: 0s - loss: 0.0807

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975/1148 [=====>...] - ETA: 0s - loss: 0.0935
600/1149 [=====>...] - ETA: 0s - loss: 0.2967
375/1149 [=====>...] - ETA: 0s - loss: 0.1534
210/1149 [====>...] - ETA: 0s - loss: 0.1504
1000/1149 [=====>...] - ETA: 0s - loss: 0.1268
170/1149 [===>...] - ETA: 3s - loss: 0.8764
340/1148 [=====>...] - ETA: 0s - loss: 0.0800
1090/1148 [=====>...] - ETA: 0s - loss: 0.0926
695/1149 [=====>...] - ETA: 0s - loss: 0.3440
460/1149 [=====>...] - ETA: 0s - loss: 0.1591
1148/1148 [=====] - 1s 516us/step - loss: 0.0914
Epoch 7/20

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5/1148 [...] - ETA: 0s - loss: 0.0758
1095/1149 [=====>...] - ETA: 0s - loss: 0.1230
335/1149 [=====>...] - ETA: 0s - loss: 0.1213
240/1149 [=====>...] - ETA: 2s - loss: 1.0322
430/1148 [=====>...] - ETA: 0s - loss: 0.0798
800/1149 [=====>...] - ETA: 0s - loss: 0.3332
1149/1149 [=====] - 1s 570us/step - loss: 0.1219
Epoch 8/15

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5/1149 [...] - ETA: 0s - loss: 0.1179
560/1149 [=====>...] - ETA: 0s - loss: 0.1655
100/1148 [=>...] - ETA: 0s - loss: 0.0838
440/1149 [=====>...] - ETA: 0s - loss: 0.1222
310/1149 [=====>...] - ETA: 1s - loss: 1.1120
515/1148 [=====>...] - ETA: 0s - loss: 0.0804
915/1149 [=====>...] - ETA: 0s - loss: 0.3425
115/1149 [==>...] - ETA: 0s - loss: 0.1996
655/1149 [=====>...] - ETA: 0s - loss: 0.1666
200/1148 [====>...] - ETA: 0s - loss: 0.0812
540/1149 [=====>...] - ETA: 0s - loss: 0.1199
370/1149 [=====>...] - ETA: 1s - loss: 1.1938
595/1148 [=====>...] - ETA: 0s - loss: 0.0792
1020/1149 [=====>...] - ETA: 0s - loss: 0.3348
220/1149 [====>...] - ETA: 0s - loss: 0.1465
750/1149 [=====>...] - ETA: 0s - loss: 0.1732
295/1148 [=====>...] - ETA: 0s - loss: 0.0846Epoch 1/20

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5/1149 [...] - ETA: 1:37 - loss: 0.5084
645/1149 [=====>...] - ETA: 0s - loss: 0.1186
415/1149 [=====>...] - ETA: 1s - loss: 1.1742
700/1148 [=====>...] - ETA: 0s - loss: 0.0781
1125/1149 [=====>...] - ETA: 0s - loss: 0.3284
320/1149 [=====>...] - ETA: 0s - loss: 0.1357
860/1149 [=====>...] - ETA: 0s - loss: 0.1685
1149/1149 [=====] - 1s 507us/step - loss: 0.3240

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Epoch 13/15

5/1149 [...] - ETA: 0s - loss: 0.2628  
380/1148 [=====>...] - ETA: 0s - loss: 0.0921  
745/1149 [=====>...] - ETA: 0s - loss: 0.1210  
45/1149 [>...] - ETA: 11s - loss: 0.9913  
495/1149 [=====>...] - ETA: 1s - loss: 1.1224  
790/1148 [=====>...] - ETA: 0s - loss: 0.0791  
425/1149 [=====>...] - ETA: 0s - loss: 0.1381  
955/1149 [=====>...] - ETA: 0s - loss: 0.1680  
100/1149 [=>...] - ETA: 0s - loss: 0.3431  
470/1148 [=====>...] - ETA: 0s - loss: 0.0925  
845/1149 [=====>...] - ETA: 0s - loss: 0.1211  
95/1149 [=>...] - ETA: 5s - loss: 0.9070  
575/1149 [=====>...] - ETA: 0s - loss: 1.1397  
885/1148 [=====>...] - ETA: 0s - loss: 0.0830  
535/1149 [=====>...] - ETA: 0s - loss: 0.1302  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1628  
200/1149 [====>...] - ETA: 0s - loss: 0.3820  
585/1148 [=====>...] - ETA: 0s - loss: 0.0907  
945/1149 [=====>...] - ETA: 0s - loss: 0.1201  
140/1149 [==>...] - ETA: 4s - loss: 0.9143  
640/1149 [=====>...] - ETA: 0s - loss: 1.2026  
985/1148 [=====>...] - ETA: 0s - loss: 0.0829  
640/1149 [=====>...] - ETA: 0s - loss: 0.1287  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1611  
300/1149 [=====>...] - ETA: 0s - loss: 0.3474  
1149/1149 [=====] - 1s 545us/step - loss: 0.1603

695/1148 [=====>...] - ETA: 0s - loss: 0.0931Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.0221  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1207  
190/1149 [====>...] - ETA: 3s - loss: 0.8470  
720/1149 [=====>...] - ETA: 0s - loss: 1.1548  
1080/1148 [=====>.] - ETA: 0s - loss: 0.0840  
740/1149 [=====>...] - ETA: 0s - loss: 0.1241  
395/1149 [=====>...] - ETA: 0s - loss: 0.3370  
805/1148 [=====>...] - ETA: 0s - loss: 0.0900  
120/1149 [==>...] - ETA: 0s - loss: 0.1944  
1148/1148 [=====] - 1s 566us/step - loss: 0.0847

1145/1149 [=====>.] - ETA: 0s - loss: 0.1191Epoch 13/15

5/1148 [...] - ETA: 0s - loss: 0.0302  
1149/1149 [=====] - 1s 494us/step - loss: 0.1188  
Epoch 13/15

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5/1149 [...] - ETA: 0s - loss: 0.1467
790/1149 [=====>...] - ETA: 0s - loss: 1.1251
240/1149 [=====>...] - ETA: 2s - loss: 0.8584
845/1149 [=====>...] - ETA: 0s - loss: 0.1273
485/1149 [=====>...] - ETA: 0s - loss: 0.3131
900/1148 [=====>...] - ETA: 0s - loss: 0.0888
230/1149 [=====>...] - ETA: 0s - loss: 0.1922
110/1148 [=>...] - ETA: 0s - loss: 0.1016
105/1149 [=>...] - ETA: 0s - loss: 0.1004
860/1149 [=====>...] - ETA: 0s - loss: 1.1656
315/1149 [=====>...] - ETA: 1s - loss: 0.9895
935/1149 [=====>...] - ETA: 0s - loss: 0.1244
580/1149 [=====>...] - ETA: 0s - loss: 0.3085
1000/1148 [=====>...] - ETA: 0s - loss: 0.0903
330/1149 [=====>...] - ETA: 0s - loss: 0.1792
200/1148 [=====>...] - ETA: 0s - loss: 0.0884
195/1149 [=====>...] - ETA: 0s - loss: 0.1177
955/1149 [=====>...] - ETA: 0s - loss: 1.1123
385/1149 [=====>...] - ETA: 1s - loss: 1.0134
1045/1149 [=====>...] - ETA: 0s - loss: 0.1243
680/1149 [=====>...] - ETA: 0s - loss: 0.3287
1095/1148 [=====>...] - ETA: 0s - loss: 0.0892
415/1149 [=====>...] - ETA: 0s - loss: 0.1750
290/1148 [=====>...] - ETA: 0s - loss: 0.0847
1045/1149 [=====>...] - ETA: 0s - loss: 1.0742
295/1149 [=====>...] - ETA: 0s - loss: 0.1130
445/1149 [=====>...] - ETA: 1s - loss: 1.0310
1148/1148 [=====] - 1s 516us/step - loss: 0.0898

1149/1149 [=====] - 1s 488us/step - loss: 0.1207
Epoch 8/20

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5/1148 [...] - ETA: 0s - loss: 0.1518Epoch 9/15

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5/1149 [...] - ETA: 0s - loss: 0.0625
780/1149 [=====>...] - ETA: 0s - loss: 0.3510
505/1149 [=====>...] - ETA: 0s - loss: 0.1648
390/1148 [=====>...] - ETA: 0s - loss: 0.0852
1145/1149 [=====>...] - ETA: 0s - loss: 1.0417
375/1149 [=====>...] - ETA: 0s - loss: 0.1129
1149/1149 [=====] - 1s 1ms/step - loss: 1.0382
Epoch 2/20

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5/1149 [...] - ETA: 0s - loss: 0.3357
515/1149 [=====>...] - ETA: 1s - loss: 1.0167
105/1148 [=>...] - ETA: 0s - loss: 0.1398
115/1149 [==>...] - ETA: 0s - loss: 0.0802
880/1149 [=====>...] - ETA: 0s - loss: 0.3383

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605/1149 [=====>...] - ETA: 0s - loss: 0.1605
480/1148 [=====>...] - ETA: 0s - loss: 0.0922
455/1149 [=====>...] - ETA: 0s - loss: 0.1077
575/1149 [=====>...] - ETA: 0s - loss: 1.0092
130/1149 [==>...] - ETA: 0s - loss: 0.7275
195/1148 [====>...] - ETA: 0s - loss: 0.1207
215/1149 [====>...] - ETA: 0s - loss: 0.1148
980/1149 [=====>...] - ETA: 0s - loss: 0.3251
700/1149 [=====>...] - ETA: 0s - loss: 0.1569
585/1148 [=====>...] - ETA: 0s - loss: 0.0915
535/1149 [=====>...] - ETA: 0s - loss: 0.1081
235/1149 [====>...] - ETA: 0s - loss: 0.7514
660/1149 [=====>...] - ETA: 0s - loss: 1.0416
285/1148 [====>...] - ETA: 0s - loss: 0.1083
300/1149 [====>...] - ETA: 0s - loss: 0.1106
1085/1149 [=====>...] - ETA: 0s - loss: 0.3106
795/1149 [=====>...] - ETA: 0s - loss: 0.1563
670/1148 [=====>...] - ETA: 0s - loss: 0.0915
615/1149 [=====>...] - ETA: 0s - loss: 0.1052
775/1149 [=====>...] - ETA: 0s - loss: 1.0353
285/1149 [====>...] - ETA: 0s - loss: 0.7051
395/1149 [=====>...] - ETA: 0s - loss: 0.1131
385/1148 [=====>...] - ETA: 0s - loss: 0.0997
1149/1149 [=====] - 1s 530us/step - loss: 0.3021
Epoch 14/15

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5/1149 [...] - ETA: 0s - loss: 0.0673
885/1149 [=====>...] - ETA: 0s - loss: 0.1593
755/1148 [=====>...] - ETA: 0s - loss: 0.0889
710/1149 [=====>...] - ETA: 0s - loss: 0.1045
900/1149 [=====>...] - ETA: 0s - loss: 1.0166
480/1148 [=====>...] - ETA: 0s - loss: 0.0926
495/1149 [=====>...] - ETA: 0s - loss: 0.1095
100/1149 [=>...] - ETA: 0s - loss: 0.3279
340/1149 [====>...] - ETA: 0s - loss: 0.8005
980/1149 [=====>...] - ETA: 0s - loss: 0.1564
835/1148 [=====>...] - ETA: 0s - loss: 0.0866
815/1149 [=====>...] - ETA: 0s - loss: 0.1099
1015/1149 [=====>...] - ETA: 0s - loss: 1.0371
590/1149 [=====>...] - ETA: 0s - loss: 0.1063
575/1148 [=====>...] - ETA: 0s - loss: 0.0881
190/1149 [==>...] - ETA: 0s - loss: 0.3955
455/1149 [=====>...] - ETA: 0s - loss: 0.6830
1070/1149 [=====>...] - ETA: 0s - loss: 0.1535
925/1148 [=====>...] - ETA: 0s - loss: 0.0877
905/1149 [=====>...] - ETA: 0s - loss: 0.1149
1075/1149 [=====>...] - ETA: 0s - loss: 1.0133
680/1149 [=====>...] - ETA: 0s - loss: 0.1023

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665/1148 [=====>...] - ETA: 0s - loss: 0.0881  
290/1149 [=====>...] - ETA: 0s - loss: 0.3861  
585/1149 [=====>...] - ETA: 0s - loss: 0.6475  
1149/1149 [=====] - 1s 531us/step - loss: 0.1533  
Epoch 9/15

5/1149 [...] - ETA: 0s - loss: 0.1552  
1025/1148 [=====>...] - ETA: 0s - loss: 0.0847  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1245  
1120/1149 [=====>.] - ETA: 0s - loss: 1.0060  
770/1149 [=====>...] - ETA: 0s - loss: 0.1016  
750/1148 [=====>...] - ETA: 0s - loss: 0.0897  
375/1149 [=====>...] - ETA: 0s - loss: 0.3797  
1149/1149 [=====] - 1s 1ms/step - loss: 1.0178  
  
700/1149 [=====>...] - ETA: 0s - loss: 0.6248Epoch 2/20

5/1149 [...] - ETA: 0s - loss: 1.3898  
90/1149 [=>...] - ETA: 0s - loss: 0.1231  
1110/1148 [=====>.] - ETA: 0s - loss: 0.0830  
1080/1149 [=====>.] - ETA: 0s - loss: 0.1222  
905/1149 [=====>...] - ETA: 0s - loss: 0.1012  
850/1148 [=====>...] - ETA: 0s - loss: 0.0899  
1148/1148 [=====] - 1s 563us/step - loss: 0.0834  
Epoch 14/15

5/1148 [...] - ETA: 0s - loss: 0.0120  
465/1149 [=====>...] - ETA: 0s - loss: 0.3555  
780/1149 [=====>...] - ETA: 0s - loss: 0.6105  
110/1149 [=>...] - ETA: 0s - loss: 0.7291  
175/1149 [====>...] - ETA: 0s - loss: 0.1131  
1149/1149 [=====] - 1s 581us/step - loss: 0.1199  
Epoch 14/15

5/1149 [...] - ETA: 0s - loss: 0.1709  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1036  
950/1148 [=====>...] - ETA: 0s - loss: 0.0879  
100/1148 [=>...] - ETA: 0s - loss: 0.0995  
560/1149 [=====>...] - ETA: 0s - loss: 0.3335  
865/1149 [=====>...] - ETA: 0s - loss: 0.6045  
225/1149 [====>...] - ETA: 0s - loss: 0.5288  
265/1149 [=====>...] - ETA: 0s - loss: 0.1215  
95/1149 [=>...] - ETA: 0s - loss: 0.1796  
1090/1149 [=====>.] - ETA: 0s - loss: 0.1176  
1035/1148 [=====>...] - ETA: 0s - loss: 0.0884  
640/1149 [=====>...] - ETA: 0s - loss: 0.3198  
200/1148 [====>...] - ETA: 0s - loss: 0.0955  
955/1149 [=====>...] - ETA: 0s - loss: 0.6048

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315/1149 [=====>...] - ETA: 0s - loss: 0.4629
345/1149 [=====>...] - ETA: 0s - loss: 0.1318
160/1149 [===>...] - ETA: 0s - loss: 0.1459
1135/1149 [=====>...] - ETA: 0s - loss: 0.1185
685/1149 [=====>...] - ETA: 0s - loss: 0.3043
1085/1148 [=====>...] - ETA: 0s - loss: 0.0877
245/1148 [=====>...] - ETA: 0s - loss: 0.0960
365/1149 [=====>...] - ETA: 0s - loss: 0.4243
1010/1149 [=====>...] - ETA: 0s - loss: 0.5897
1149/1149 [=====] - 1s 550us/step - loss: 0.1186
Epoch 10/15

```

```

5/1149 [...] - ETA: 0s - loss: 0.0336
395/1149 [=====>...] - ETA: 0s - loss: 0.1254
235/1149 [=====>...] - ETA: 0s - loss: 0.1462
1148/1148 [=====] - 1s 581us/step - loss: 0.0871
Epoch 9/20

```

```

5/1148 [...] - ETA: 1s - loss: 0.0384
335/1148 [=====>...] - ETA: 0s - loss: 0.0947
780/1149 [=====>...] - ETA: 0s - loss: 0.2868
450/1149 [=====>...] - ETA: 0s - loss: 0.3825
1090/1149 [=====>...] - ETA: 0s - loss: 0.5699
95/1149 [=>...] - ETA: 0s - loss: 0.0830
480/1149 [=====>...] - ETA: 0s - loss: 0.1287
335/1149 [=====>...] - ETA: 0s - loss: 0.1294
1149/1149 [=====] - 1s 589us/step - loss: 0.5577
Epoch 3/20

```

```

5/1149 [...] - ETA: 0s - loss: 0.1529
90/1148 [=>...] - ETA: 0s - loss: 0.0805
880/1149 [=====>...] - ETA: 0s - loss: 0.2797
425/1148 [=====>...] - ETA: 0s - loss: 0.0909
540/1149 [=====>...] - ETA: 0s - loss: 0.3491
190/1149 [===>...] - ETA: 0s - loss: 0.0785
570/1149 [=====>...] - ETA: 0s - loss: 0.1302
435/1149 [=====>...] - ETA: 0s - loss: 0.1208
95/1149 [=>...] - ETA: 0s - loss: 0.3292
175/1148 [===>...] - ETA: 0s - loss: 0.0815
960/1149 [=====>...] - ETA: 0s - loss: 0.3045
510/1148 [=====>...] - ETA: 0s - loss: 0.0954
635/1149 [=====>...] - ETA: 0s - loss: 0.3411
680/1149 [=====>...] - ETA: 0s - loss: 0.1295
285/1149 [=====>...] - ETA: 0s - loss: 0.0893
525/1149 [=====>...] - ETA: 0s - loss: 0.1139
185/1149 [===>...] - ETA: 0s - loss: 0.3053
270/1148 [=====>...] - ETA: 0s - loss: 0.0810
1070/1149 [=====>...] - ETA: 0s - loss: 0.2889

```

```

590/1148 [=====>...] - ETA: 0s - loss: 0.0919
725/1149 [=====>...] - ETA: 0s - loss: 0.3174
785/1149 [=====>...] - ETA: 0s - loss: 0.1391
370/1149 [=====>...] - ETA: 0s - loss: 0.0979
610/1149 [=====>...] - ETA: 0s - loss: 0.1111
275/1149 [=====>...] - ETA: 0s - loss: 0.2829
1149/1149 [=====] - 1s 575us/step - loss: 0.2834
Epoch 15/15

```

```

    5/1149 [...] - ETA: 0s - loss: 0.0112
370/1148 [=====>...] - ETA: 0s - loss: 0.0869
830/1149 [=====>...] - ETA: 0s - loss: 0.3022
670/1148 [=====>...] - ETA: 0s - loss: 0.0876
885/1149 [=====>...] - ETA: 0s - loss: 0.1476
455/1149 [=====>...] - ETA: 0s - loss: 0.0986
705/1149 [=====>...] - ETA: 0s - loss: 0.1098
360/1149 [=====>...] - ETA: 0s - loss: 0.2720
115/1149 [==>...] - ETA: 0s - loss: 0.2520
465/1148 [=====>...] - ETA: 0s - loss: 0.0804
930/1149 [=====>...] - ETA: 0s - loss: 0.2888
755/1148 [=====>...] - ETA: 0s - loss: 0.0857
980/1149 [=====>...] - ETA: 0s - loss: 0.1456
540/1149 [=====>...] - ETA: 0s - loss: 0.0996
800/1149 [=====>...] - ETA: 0s - loss: 0.1124
440/1149 [=====>...] - ETA: 0s - loss: 0.2884
200/1149 [=====>...] - ETA: 0s - loss: 0.3275
565/1148 [=====>...] - ETA: 0s - loss: 0.0803
1025/1149 [=====>...] - ETA: 0s - loss: 0.2727
835/1148 [=====>...] - ETA: 0s - loss: 0.0861
1075/1149 [=====>...] - ETA: 0s - loss: 0.1432
630/1149 [=====>...] - ETA: 0s - loss: 0.1108
890/1149 [=====>...] - ETA: 0s - loss: 0.1108
535/1149 [=====>...] - ETA: 0s - loss: 0.2814
280/1149 [=====>...] - ETA: 0s - loss: 0.2752
660/1148 [=====>...] - ETA: 0s - loss: 0.0803
1149/1149 [=====] - 1s 578us/step - loss: 0.1494

```

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930/1148 [=====>...] - ETA: 0s - loss: 0.0850Epoch 10/15

```

```

    5/1149 [...] - ETA: 0s - loss: 0.0449
1130/1149 [=====>...] - ETA: 0s - loss: 0.2637
725/1149 [=====>...] - ETA: 0s - loss: 0.1169
1149/1149 [=====] - 1s 549us/step - loss: 0.2605
Epoch 3/20

```

```

    5/1149 [...] - ETA: 1s - loss: 0.1957
975/1149 [=====>...] - ETA: 0s - loss: 0.1180
635/1149 [=====>...] - ETA: 0s - loss: 0.2687

```

```

375/1149 [=====>...] - ETA: 0s - loss: 0.3121
755/1148 [=====>...] - ETA: 0s - loss: 0.0803
100/1149 [=>...] - ETA: 0s - loss: 0.1035
1010/1148 [=====>...] - ETA: 0s - loss: 0.0830
830/1149 [=====>...] - ETA: 0s - loss: 0.1185
95/1149 [=>...] - ETA: 0s - loss: 0.1438
1075/1149 [=====>...] - ETA: 0s - loss: 0.1201
740/1149 [=====>...] - ETA: 0s - loss: 0.2526
460/1149 [=====>...] - ETA: 0s - loss: 0.2856
845/1148 [=====>...] - ETA: 0s - loss: 0.0803
185/1149 [===>...] - ETA: 0s - loss: 0.1273
1085/1148 [=====>...] - ETA: 0s - loss: 0.0819
1149/1149 [=====] - 1s 571us/step - loss: 0.1183

935/1149 [=====>...] - ETA: 0s - loss: 0.1168Epoch 15/15

5/1149 [...] - ETA: 1s - loss: 0.2471
180/1149 [===>...] - ETA: 0s - loss: 0.1445
830/1149 [=====>...] - ETA: 0s - loss: 0.2465
550/1149 [=====>...] - ETA: 0s - loss: 0.2766
1148/1148 [=====] - 1s 625us/step - loss: 0.0828

920/1148 [=====>...] - ETA: 0s - loss: 0.0802Epoch 15/15

5/1148 [...] - ETA: 1s - loss: 0.1101
255/1149 [=====>...] - ETA: 0s - loss: 0.1418
1005/1149 [=====>...] - ETA: 0s - loss: 0.1139
95/1149 [=>...] - ETA: 0s - loss: 0.1124
275/1149 [=====>...] - ETA: 0s - loss: 0.1385
890/1149 [=====>...] - ETA: 0s - loss: 0.2380
635/1149 [=====>...] - ETA: 0s - loss: 0.2722
1000/1148 [=====>...] - ETA: 0s - loss: 0.0825
100/1148 [=>...] - ETA: 0s - loss: 0.0862
340/1149 [=====>...] - ETA: 0s - loss: 0.1435
1085/1149 [=====>...] - ETA: 0s - loss: 0.1155
180/1149 [===>...] - ETA: 0s - loss: 0.0969
365/1149 [=====>...] - ETA: 0s - loss: 0.1447
945/1149 [=====>...] - ETA: 0s - loss: 0.2315
720/1149 [=====>...] - ETA: 0s - loss: 0.2678
190/1148 [===>...] - ETA: 0s - loss: 0.0902
1149/1149 [=====] - 1s 574us/step - loss: 0.1167
Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.0152
1075/1148 [=====>...] - ETA: 0s - loss: 0.0862
425/1149 [=====>...] - ETA: 0s - loss: 0.1408
270/1149 [=====>...] - ETA: 0s - loss: 0.0884
450/1149 [=====>...] - ETA: 0s - loss: 0.1480

```

```

1050/1149 [=====>...] - ETA: 0s - loss: 0.2213
825/1149 [=====>...] - ETA: 0s - loss: 0.2584
85/1149 [=>...] - ETA: 0s - loss: 0.0871
240/1148 [=====>...] - ETA: 0s - loss: 0.0868
1125/1148 [=====>.] - ETA: 0s - loss: 0.0856
510/1149 [=====>...] - ETA: 0s - loss: 0.1345
345/1149 [=====>...] - ETA: 0s - loss: 0.0909
545/1149 [=====>...] - ETA: 0s - loss: 0.1431
1148/1148 [=====] - 1s 612us/step - loss: 0.0855
Epoch 10/20

```

```

5/1148 [...] - ETA: 0s - loss: 0.0652
1135/1149 [=====>.] - ETA: 0s - loss: 0.2264
905/1149 [=====>...] - ETA: 0s - loss: 0.2518
1149/1149 [=====] - 1s 590us/step - loss: 0.2260
Epoch 4/20

```

```

5/1149 [...] - ETA: 0s - loss: 0.0669
290/1148 [=====>...] - ETA: 0s - loss: 0.0915
165/1149 [===>...] - ETA: 0s - loss: 0.0864
585/1149 [=====>...] - ETA: 0s - loss: 0.1391
430/1149 [=====>...] - ETA: 0s - loss: 0.1144
645/1149 [=====>...] - ETA: 0s - loss: 0.1408
60/1148 [>...] - ETA: 0s - loss: 0.0889
985/1149 [=====>...] - ETA: 0s - loss: 0.2510
390/1148 [=====>...] - ETA: 0s - loss: 0.0907
80/1149 [=>...] - ETA: 0s - loss: 0.1242
235/1149 [=====>...] - ETA: 0s - loss: 0.1155
655/1149 [=====>...] - ETA: 0s - loss: 0.1478
510/1149 [=====>...] - ETA: 0s - loss: 0.1115
720/1149 [=====>...] - ETA: 0s - loss: 0.1375
165/1148 [===>...] - ETA: 0s - loss: 0.1037
1055/1149 [=====>...] - ETA: 0s - loss: 0.2508
150/1149 [==>...] - ETA: 0s - loss: 0.1159
505/1148 [=====>...] - ETA: 0s - loss: 0.0848
290/1149 [=====>...] - ETA: 0s - loss: 0.1322
740/1149 [=====>...] - ETA: 0s - loss: 0.1515
590/1149 [=====>...] - ETA: 0s - loss: 0.1069
790/1149 [=====>...] - ETA: 0s - loss: 0.1395
265/1148 [=====>...] - ETA: 0s - loss: 0.0890
1130/1149 [=====>.] - ETA: 0s - loss: 0.2680
220/1149 [=====>...] - ETA: 0s - loss: 0.1196
600/1148 [=====>...] - ETA: 0s - loss: 0.0859
365/1149 [=====>...] - ETA: 0s - loss: 0.1209
1149/1149 [=====] - 1s 598us/step - loss: 0.2684

815/1149 [=====>...] - ETA: 0s - loss: 0.1520
665/1149 [=====>...] - ETA: 0s - loss: 0.1131

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865/1149 [=====>...] - ETA: 0s - loss: 0.1367
365/1148 [=====>...] - ETA: 0s - loss: 0.0900
290/1149 [=====>...] - ETA: 0s - loss: 0.1565
675/1148 [=====>...] - ETA: 0s - loss: 0.0838
450/1149 [=====>...] - ETA: 0s - loss: 0.1345
890/1149 [=====>...] - ETA: 0s - loss: 0.1496
735/1149 [=====>...] - ETA: 0s - loss: 0.1112
950/1149 [=====>...] - ETA: 0s - loss: 0.1463
445/1148 [=====>...] - ETA: 0s - loss: 0.0918
385/1149 [=====>...] - ETA: 0s - loss: 0.1458
755/1148 [=====>...] - ETA: 0s - loss: 0.0815
550/1149 [=====>...] - ETA: 0s - loss: 0.1364
985/1149 [=====>...] - ETA: 0s - loss: 0.1468
810/1149 [=====>...] - ETA: 0s - loss: 0.1070
1020/1149 [=====>...] - ETA: 0s - loss: 0.1432
520/1148 [=====>...] - ETA: 0s - loss: 0.0888
465/1149 [=====>...] - ETA: 0s - loss: 0.1429
835/1148 [=====>...] - ETA: 0s - loss: 0.0853
640/1149 [=====>...] - ETA: 0s - loss: 0.1296
1060/1149 [=====>...] - ETA: 0s - loss: 0.1471
910/1149 [=====>...] - ETA: 0s - loss: 0.1102
1115/1149 [=====>.] - ETA: 0s - loss: 0.1394
605/1148 [=====>...] - ETA: 0s - loss: 0.0862
1149/1149 [=====] - 1s 603us/step - loss: 0.1403
Epoch 4/20

```

```

5/1149 [...] - ETA: 0s - loss: 0.2954
550/1149 [=====>...] - ETA: 0s - loss: 0.1372
920/1148 [=====>...] - ETA: 0s - loss: 0.0843
725/1149 [=====>...] - ETA: 0s - loss: 0.1271
1140/1149 [=====>.] - ETA: 0s - loss: 0.1469
1149/1149 [=====] - 1s 637us/step - loss: 0.1469
Epoch 11/15

```

```

5/1149 [...] - ETA: 0s - loss: 0.2179
1010/1149 [=====>...] - ETA: 0s - loss: 0.1172
690/1148 [=====>...] - ETA: 0s - loss: 0.0850
90/1149 [=>...] - ETA: 0s - loss: 0.0875
630/1149 [=====>...] - ETA: 0s - loss: 0.1331
1000/1148 [=====>...] - ETA: 0s - loss: 0.0823
805/1149 [=====>...] - ETA: 0s - loss: 0.1252
85/1149 [=>...] - ETA: 0s - loss: 0.2550
1085/1149 [=====>.] - ETA: 0s - loss: 0.1183
760/1148 [=====>...] - ETA: 0s - loss: 0.0830
170/1149 [===>...] - ETA: 0s - loss: 0.0966
710/1149 [=====>...] - ETA: 0s - loss: 0.1370
1149/1149 [=====] - 1s 620us/step - loss: 0.1173

```

1085/1148 [=====>..] - ETA: 0s - loss: 0.0818  
890/1149 [=====>...] - ETA: 0s - loss: 0.1209  
175/1149 [===>...] - ETA: 0s - loss: 0.2133  
855/1148 [=====>...] - ETA: 0s - loss: 0.0834  
1148/1148 [=====] - 1s 616us/step - loss: 0.0824

265/1149 [=====>...] - ETA: 0s - loss: 0.1111  
810/1149 [=====>...] - ETA: 0s - loss: 0.1519  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1193  
280/1149 [=====>...] - ETA: 0s - loss: 0.1884  
945/1148 [=====>...] - ETA: 0s - loss: 0.0832  
365/1149 [=====>...] - ETA: 0s - loss: 0.1179  
915/1149 [=====>...] - ETA: 0s - loss: 0.1502  
1110/1149 [=====>..] - ETA: 0s - loss: 0.1157  
405/1149 [=====>...] - ETA: 0s - loss: 0.1855  
1070/1148 [=====>...] - ETA: 0s - loss: 0.0836  
1149/1149 [=====] - 1s 606us/step - loss: 0.1149  
Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.0958  
475/1149 [=====>...] - ETA: 0s - loss: 0.1283  
1025/1149 [=====>...] - ETA: 0s - loss: 0.1449  
1148/1148 [=====] - 1s 564us/step - loss: 0.0838  
Epoch 11/20

5/1148 [...] - ETA: 0s - loss: 0.0631  
520/1149 [=====>...] - ETA: 0s - loss: 0.1795  
125/1149 [==>...] - ETA: 0s - loss: 0.0891  
585/1149 [=====>...] - ETA: 0s - loss: 0.1268  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1471  
125/1148 [==>...] - ETA: 0s - loss: 0.0691  
1149/1149 [=====] - 1s 589us/step - loss: 0.1498  
Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.0877  
600/1149 [=====>...] - ETA: 0s - loss: 0.1710  
225/1149 [=====>...] - ETA: 0s - loss: 0.0916  
675/1149 [=====>...] - ETA: 0s - loss: 0.1233  
220/1148 [=====>...] - ETA: 0s - loss: 0.0668  
100/1149 [=>...] - ETA: 0s - loss: 0.1247  
660/1149 [=====>...] - ETA: 0s - loss: 0.1661  
330/1149 [=====>...] - ETA: 0s - loss: 0.0974  
775/1149 [=====>...] - ETA: 0s - loss: 0.1248  
310/1148 [=====>...] - ETA: 0s - loss: 0.0764  
185/1149 [===>...] - ETA: 0s - loss: 0.1162  
730/1149 [=====>...] - ETA: 0s - loss: 0.1637  
430/1149 [=====>...] - ETA: 0s - loss: 0.1055  
880/1149 [=====>...] - ETA: 0s - loss: 0.1423



415/1148 [=====>...] - ETA: 0s - loss: 0.0761  
 280/1149 [=====>...] - ETA: 0s - loss: 0.1285  
 830/1149 [=====>...] - ETA: 0s - loss: 0.1583  
 520/1149 [=====>...] - ETA: 0s - loss: 0.0990  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1377  
 515/1148 [=====>...] - ETA: 0s - loss: 0.0756  
 375/1149 [=====>...] - ETA: 0s - loss: 0.1310  
 920/1149 [=====>...] - ETA: 0s - loss: 0.1559  
 620/1149 [=====>...] - ETA: 0s - loss: 0.0974  
 1055/1149 [=====>...] - ETA: 0s - loss: 0.1339  
 615/1148 [=====>...] - ETA: 0s - loss: 0.0748  
 455/1149 [=====>...] - ETA: 0s - loss: 0.1595  
 1030/1149 [=====>...] - ETA: 0s - loss: 0.1507  
 735/1149 [=====>...] - ETA: 0s - loss: 0.1027  
 1149/1149 [=====] - 1s 537us/step - loss: 0.1313  
 Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.1687  
 720/1148 [=====>...] - ETA: 0s - loss: 0.0754  
 565/1149 [=====>...] - ETA: 0s - loss: 0.1554  
 1130/1149 [=====>.] - ETA: 0s - loss: 0.1468  
 830/1149 [=====>...] - ETA: 0s - loss: 0.1005  
 1149/1149 [=====] - 1s 550us/step - loss: 0.1457  
 Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.0761  
 90/1149 [=>...] - ETA: 0s - loss: 0.1369  
 820/1148 [=====>...] - ETA: 0s - loss: 0.0760  
 650/1149 [=====>...] - ETA: 0s - loss: 0.1471  
 925/1149 [=====>...] - ETA: 0s - loss: 0.1048  
 105/1149 [=>...] - ETA: 0s - loss: 0.1148  
 185/1149 [===>...] - ETA: 0s - loss: 0.1098  
 895/1148 [=====>...] - ETA: 0s - loss: 0.0770  
 750/1149 [=====>...] - ETA: 0s - loss: 0.1434  
 1015/1149 [=====>...] - ETA: 0s - loss: 0.1141  
 200/1149 [====>...] - ETA: 0s - loss: 0.1363  
 270/1149 [=====>...] - ETA: 0s - loss: 0.1024  
 990/1148 [=====>...] - ETA: 0s - loss: 0.0848  
 855/1149 [=====>...] - ETA: 0s - loss: 0.1486  
 1110/1149 [=====>..] - ETA: 0s - loss: 0.1122  
 300/1149 [=====>...] - ETA: 0s - loss: 0.1375  
 370/1149 [=====>...] - ETA: 0s - loss: 0.0969  
 1149/1149 [=====] - 1s 509us/step - loss: 0.1144  
 Epoch 13/15

5/1149 [...] - ETA: 0s - loss: 0.1682  
 1085/1148 [=====>..] - ETA: 0s - loss: 0.0843  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1451Epoch 1/20

5/1149 [...] - ETA: 1:51 - loss: 3.1191  
395/1149 [=====>...] - ETA: 0s - loss: 0.1571  
480/1149 [=====>...] - ETA: 0s - loss: 0.0993  
1148/1148 [=====] - 1s 529us/step - loss: 0.0835  
Epoch 12/20

5/1148 [...] - ETA: 0s - loss: 0.0515  
105/1149 [=>...] - ETA: 0s - loss: 0.0818  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1404  
65/1149 [>...] - ETA: 9s - loss: 1.0414  
495/1149 [=====>...] - ETA: 0s - loss: 0.1528  
575/1149 [=====>...] - ETA: 0s - loss: 0.1039  
110/1148 [=>...] - ETA: 0s - loss: 0.0597  
200/1149 [=====>...] - ETA: 0s - loss: 0.0991  
1149/1149 [=====] - 1s 534us/step - loss: 0.1367  
Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.1001  
150/1149 [==>...] - ETA: 3s - loss: 1.1216  
590/1149 [=====>...] - ETA: 0s - loss: 0.1610  
690/1149 [=====>...] - ETA: 0s - loss: 0.1139  
210/1148 [=====>...] - ETA: 0s - loss: 0.0711  
300/1149 [=====>...] - ETA: 0s - loss: 0.1141  
80/1149 [=>...] - ETA: 0s - loss: 0.1857Epoch 1/20

5/1149 [...] - ETA: 1:36 - loss: 1.9075  
230/1149 [=====>...] - ETA: 2s - loss: 0.9754  
700/1149 [=====>...] - ETA: 0s - loss: 0.1537  
790/1149 [=====>...] - ETA: 0s - loss: 0.1152  
330/1148 [=====>...] - ETA: 0s - loss: 0.0860  
400/1149 [=====>...] - ETA: 0s - loss: 0.1058  
170/1149 [=====>...] - ETA: 0s - loss: 0.1965  
60/1149 [>...] - ETA: 8s - loss: 0.9684  
800/1149 [=====>...] - ETA: 0s - loss: 0.1453  
345/1149 [=====>...] - ETA: 1s - loss: 1.0529  
890/1149 [=====>...] - ETA: 0s - loss: 0.1200  
485/1149 [=====>...] - ETA: 0s - loss: 0.1011  
425/1148 [=====>...] - ETA: 0s - loss: 0.0842  
265/1149 [=====>...] - ETA: 0s - loss: 0.1699  
105/1149 [=>...] - ETA: 5s - loss: 0.7899  
885/1149 [=====>...] - ETA: 0s - loss: 0.1417  
440/1149 [=====>...] - ETA: 1s - loss: 1.0725  
980/1149 [=====>...] - ETA: 0s - loss: 0.1192  
585/1149 [=====>...] - ETA: 0s - loss: 0.0978  
505/1148 [=====>...] - ETA: 0s - loss: 0.0841  
370/1149 [=====>...] - ETA: 0s - loss: 0.1638  
165/1149 [=====>...] - ETA: 3s - loss: 0.9196

985/1149 [=====>...] - ETA: 0s - loss: 0.1420  
525/1149 [=====>...] - ETA: 0s - loss: 1.1290  
1085/1149 [=====>...] - ETA: 0s - loss: 0.1271  
690/1149 [=====>...] - ETA: 0s - loss: 0.1026  
600/1148 [=====>...] - ETA: 0s - loss: 0.0849  
485/1149 [=====>...] - ETA: 0s - loss: 0.1574  
1149/1149 [=====] - 1s 522us/step - loss: 0.1267  
Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.0858  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1423  
615/1149 [=====>...] - ETA: 0s - loss: 1.0865  
190/1149 [====>...] - ETA: 3s - loss: 0.8671  
810/1149 [=====>...] - ETA: 0s - loss: 0.1055  
710/1148 [=====>...] - ETA: 0s - loss: 0.0839  
580/1149 [=====>...] - ETA: 0s - loss: 0.1492  
1149/1149 [=====] - 1s 530us/step - loss: 0.1416  
Epoch 13/15

5/1149 [...] - ETA: 0s - loss: 0.1099  
90/1149 [=>...] - ETA: 0s - loss: 0.0894  
705/1149 [=====>...] - ETA: 0s - loss: 1.0504  
910/1149 [=====>...] - ETA: 0s - loss: 0.1054  
815/1148 [=====>...] - ETA: 0s - loss: 0.0842  
240/1149 [=====>...] - ETA: 2s - loss: 0.8583  
675/1149 [=====>...] - ETA: 0s - loss: 0.1493Epoch 1/5

10/1148 [...] - ETA: 57s - loss: 0.3960  
95/1149 [=>...] - ETA: 0s - loss: 0.1416  
180/1149 [====>...] - ETA: 0s - loss: 0.1061  
780/1149 [=====>...] - ETA: 0s - loss: 1.0284  
270/1149 [=====>...] - ETA: 2s - loss: 0.9116  
990/1149 [=====>...] - ETA: 0s - loss: 0.1137  
915/1148 [=====>...] - ETA: 0s - loss: 0.0822  
765/1149 [=====>...] - ETA: 0s - loss: 0.1448  
400/1148 [=====>...] - ETA: 1s - loss: 0.3564  
165/1149 [====>...] - ETA: 0s - loss: 0.1423  
260/1149 [=====>...] - ETA: 0s - loss: 0.1399  
825/1149 [=====>...] - ETA: 0s - loss: 1.0211  
295/1149 [=====>...] - ETA: 2s - loss: 1.0012  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1105  
1010/1148 [=====>...] - ETA: 0s - loss: 0.0823  
860/1149 [=====>...] - ETA: 0s - loss: 0.1399  
680/1148 [=====>...] - ETA: 0s - loss: 0.3567  
265/1149 [=====>...] - ETA: 0s - loss: 0.1597  
355/1149 [=====>...] - ETA: 0s - loss: 0.1319  
1149/1149 [=====] - 1s 525us/step - loss: 0.1119

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900/1149 [=====>...] - ETA: 0s - loss: 1.0034Epoch 14/15

5/1149 [...] - ETA: 0s - loss: 0.0500
370/1149 [=====>...] - ETA: 1s - loss: 0.9890
1105/1148 [=====>...] - ETA: 0s - loss: 0.0812
965/1149 [=====>...] - ETA: 0s - loss: 0.1350
750/1148 [=====>...] - ETA: 0s - loss: 0.3550
365/1149 [=====>...] - ETA: 0s - loss: 0.1567
1148/1148 [=====] - 1s 516us/step - loss: 0.0826
Epoch 13/20

5/1148 [...] - ETA: 0s - loss: 0.0445
455/1149 [=====>...] - ETA: 0s - loss: 0.1278
980/1149 [=====>...] - ETA: 0s - loss: 0.9670
100/1149 [=>...] - ETA: 0s - loss: 0.1116
455/1149 [=====>...] - ETA: 1s - loss: 0.9628
1055/1149 [=====>...] - ETA: 0s - loss: 0.1319
840/1148 [=====>...] - ETA: 0s - loss: 0.3523
450/1149 [=====>...] - ETA: 0s - loss: 0.1524
90/1148 [=>...] - ETA: 0s - loss: 0.0596
555/1149 [=====>...] - ETA: 0s - loss: 0.1245
200/1149 [=====>...] - ETA: 0s - loss: 0.1158
1065/1149 [=====>...] - ETA: 0s - loss: 0.9475
555/1149 [=====>...] - ETA: 1s - loss: 0.9222
1149/1149 [=====] - 1s 538us/step - loss: 0.1323
Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.0592
980/1148 [=====>...] - ETA: 0s - loss: 0.3413
550/1149 [=====>...] - ETA: 0s - loss: 0.1463
170/1148 [====>...] - ETA: 0s - loss: 0.0876
1149/1149 [=====] - 1s 1ms/step - loss: 0.9502
Epoch 2/20

5/1149 [...] - ETA: 0s - loss: 0.0670
650/1149 [=====>...] - ETA: 0s - loss: 0.1392
290/1149 [=====>...] - ETA: 0s - loss: 0.1068
640/1149 [=====>...] - ETA: 0s - loss: 0.9750
105/1149 [=>...] - ETA: 0s - loss: 0.1175
255/1148 [=====>...] - ETA: 0s - loss: 0.0842
640/1149 [=====>...] - ETA: 0s - loss: 0.1441
125/1149 [====>...] - ETA: 0s - loss: 0.5163
1090/1148 [=====>...] - ETA: 0s - loss: 0.3336
745/1149 [=====>...] - ETA: 0s - loss: 0.1340
400/1149 [=====>...] - ETA: 0s - loss: 0.1093
710/1149 [=====>...] - ETA: 0s - loss: 1.0271
1148/1148 [=====] - 1s 744us/step - loss: 0.3319

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195/1149 [====>...] - ETA: 0s - loss: 0.1169Epoch 2/5

10/1148 [...] - ETA: 0s - loss: 0.3994
350/1148 [=====>...] - ETA: 0s - loss: 0.0850
735/1149 [=====>...] - ETA: 0s - loss: 0.1436
240/1149 [=====>...] - ETA: 0s - loss: 0.3716
840/1149 [=====>...] - ETA: 0s - loss: 0.1334
505/1149 [=====>...] - ETA: 0s - loss: 0.1168
800/1149 [=====>...] - ETA: 0s - loss: 1.0046
275/1149 [=====>...] - ETA: 0s - loss: 0.1108
80/1148 [=>...] - ETA: 0s - loss: 0.2566
435/1148 [=====>...] - ETA: 0s - loss: 0.0817
820/1149 [=====>...] - ETA: 0s - loss: 0.1378
345/1149 [=====>...] - ETA: 0s - loss: 0.3246
925/1149 [=====>...] - ETA: 0s - loss: 0.1299
600/1149 [=====>...] - ETA: 0s - loss: 0.1236
910/1149 [=====>...] - ETA: 0s - loss: 0.9748
360/1149 [=====>...] - ETA: 0s - loss: 0.1023
170/1148 [===>...] - ETA: 0s - loss: 0.2381
520/1148 [=====>...] - ETA: 0s - loss: 0.0849
925/1149 [=====>...] - ETA: 0s - loss: 0.1360
450/1149 [=====>...] - ETA: 0s - loss: 0.3190
1010/1149 [=====>...] - ETA: 0s - loss: 0.1290
695/1149 [=====>...] - ETA: 0s - loss: 0.1183
1015/1149 [=====>...] - ETA: 0s - loss: 0.9601
450/1149 [=====>...] - ETA: 0s - loss: 0.1099
330/1148 [=====>...] - ETA: 0s - loss: 0.2377
640/1148 [=====>...] - ETA: 0s - loss: 0.0851
1025/1149 [=====>...] - ETA: 0s - loss: 0.1357
520/1149 [=====>...] - ETA: 0s - loss: 0.2942
1095/1149 [=====>...] - ETA: 0s - loss: 0.1282
770/1149 [=====>...] - ETA: 0s - loss: 0.1147
1105/1149 [=====>...] - ETA: 0s - loss: 0.9298
540/1149 [=====>...] - ETA: 0s - loss: 0.1119
1149/1149 [=====>...] - 1s 1ms/step - loss: 0.9135

540/1148 [=====>...] - ETA: 0s - loss: 0.2122
1149/1149 [=====>...] - 1s 576us/step - loss: 0.1263
Epoch 2/20

5/1149 [...] - ETA: 0s - loss: 0.2029Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.0310
760/1148 [=====>...] - ETA: 0s - loss: 0.0842
1130/1149 [=====>...] - ETA: 0s - loss: 0.1391
590/1149 [=====>...] - ETA: 0s - loss: 0.2724
1149/1149 [=====>...] - 1s 549us/step - loss: 0.1382
Epoch 14/15

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5/1149 [...] - ETA: 0s - loss: 0.1478
850/1149 [=====>...] - ETA: 0s - loss: 0.1166
635/1149 [=====>...] - ETA: 0s - loss: 0.1120
710/1148 [=====>...] - ETA: 0s - loss: 0.1953
80/1149 [=>...] - ETA: 0s - loss: 0.1033
85/1149 [=>...] - ETA: 0s - loss: 0.4899
870/1148 [=====>...] - ETA: 0s - loss: 0.0819
650/1149 [=====>...] - ETA: 0s - loss: 0.2698
105/1149 [=>...] - ETA: 0s - loss: 0.1630
950/1149 [=====>...] - ETA: 0s - loss: 0.1142
735/1149 [=====>...] - ETA: 0s - loss: 0.1228
140/1149 [==>...] - ETA: 0s - loss: 0.0942
155/1149 [===>...] - ETA: 0s - loss: 0.4381
920/1148 [=====>...] - ETA: 0s - loss: 0.1875
960/1148 [=====>...] - ETA: 0s - loss: 0.0817
725/1149 [=====>...] - ETA: 0s - loss: 0.2565
1055/1149 [=====>...] - ETA: 0s - loss: 0.1130
210/1149 [====>...] - ETA: 0s - loss: 0.1489
840/1149 [=====>...] - ETA: 0s - loss: 0.1260
220/1149 [====>...] - ETA: 0s - loss: 0.1007
225/1149 [====>...] - ETA: 0s - loss: 0.4100
1140/1148 [=====>.] - ETA: 0s - loss: 0.1726
1050/1148 [=====>...] - ETA: 0s - loss: 0.0793
1148/1148 [=====] - 0s 332us/step - loss: 0.1727
Epoch 3/5

```

```

10/1148 [...] - ETA: 0s - loss: 0.1665
805/1149 [=====>...] - ETA: 0s - loss: 0.2499
1149/1149 [=====] - 1s 542us/step - loss: 0.1123

300/1149 [=====>...] - ETA: 0s - loss: 0.1555Epoch 15/15

```

```

5/1149 [...] - ETA: 0s - loss: 0.1307
920/1149 [=====>...] - ETA: 0s - loss: 0.1263
325/1149 [=====>...] - ETA: 0s - loss: 0.1129
325/1149 [=====>...] - ETA: 0s - loss: 0.4185
1140/1148 [=====>.] - ETA: 0s - loss: 0.0806
200/1148 [====>...] - ETA: 0s - loss: 0.0922
925/1149 [=====>...] - ETA: 0s - loss: 0.2425
1148/1148 [=====] - 1s 548us/step - loss: 0.0816
Epoch 14/20

```

```

5/1148 [...] - ETA: 1s - loss: 0.0501
75/1149 [>...] - ETA: 0s - loss: 0.0784
375/1149 [=====>...] - ETA: 0s - loss: 0.1377
980/1149 [=====>...] - ETA: 0s - loss: 0.1273
430/1149 [=====>...] - ETA: 0s - loss: 0.1113

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420/1149 [=====>...] - ETA: 0s - loss: 0.3949
360/1148 [=====>...] - ETA: 0s - loss: 0.1066
1045/1149 [=====>...] - ETA: 0s - loss: 0.2356
 65/1148 [>...] - ETA: 0s - loss: 0.0523
150/1149 [==>...] - ETA: 0s - loss: 0.0804
425/1149 [=====>...] - ETA: 0s - loss: 0.1361
1060/1149 [=====>...] - ETA: 0s - loss: 0.1263
530/1149 [=====>...] - ETA: 0s - loss: 0.1260
505/1149 [=====>...] - ETA: 0s - loss: 0.3647
530/1148 [=====>...] - ETA: 0s - loss: 0.1063
1140/1149 [=====>.] - ETA: 0s - loss: 0.2244
155/1148 [==>...] - ETA: 0s - loss: 0.0650
1149/1149 [=====] - 1s 549us/step - loss: 0.2235

235/1149 [=====>...] - ETA: 0s - loss: 0.0988Epoch 3/20

 5/1149 [...] - ETA: 0s - loss: 0.1040
505/1149 [=====>...] - ETA: 0s - loss: 0.1381
1149/1149 [=====] - 1s 580us/step - loss: 0.1313
Epoch 8/20

 5/1149 [...] - ETA: 0s - loss: 0.0694
620/1149 [=====>...] - ETA: 0s - loss: 0.1268
595/1149 [=====>...] - ETA: 0s - loss: 0.3363
700/1148 [=====>...] - ETA: 0s - loss: 0.1056
235/1148 [=====>...] - ETA: 0s - loss: 0.0677
315/1149 [=====>...] - ETA: 0s - loss: 0.0955
 95/1149 [=>...] - ETA: 0s - loss: 0.1003
590/1149 [=====>...] - ETA: 0s - loss: 0.1346
 85/1149 [=>...] - ETA: 0s - loss: 0.1311
705/1149 [=====>...] - ETA: 0s - loss: 0.1266
685/1149 [=====>...] - ETA: 0s - loss: 0.3211
860/1148 [=====>...] - ETA: 0s - loss: 0.1066
315/1148 [=====>...] - ETA: 0s - loss: 0.0692
410/1149 [=====>...] - ETA: 0s - loss: 0.0955
175/1149 [==>...] - ETA: 0s - loss: 0.1131
665/1149 [=====>...] - ETA: 0s - loss: 0.1334
165/1149 [==>...] - ETA: 0s - loss: 0.1590
785/1149 [=====>...] - ETA: 0s - loss: 0.1314
770/1149 [=====>...] - ETA: 0s - loss: 0.3104
1040/1148 [=====>...] - ETA: 0s - loss: 0.1033
400/1148 [=====>...] - ETA: 0s - loss: 0.0694
495/1149 [=====>...] - ETA: 0s - loss: 0.0963
240/1149 [=====>...] - ETA: 0s - loss: 0.1322
750/1149 [=====>...] - ETA: 0s - loss: 0.1282
240/1149 [=====>...] - ETA: 0s - loss: 0.1442
870/1149 [=====>...] - ETA: 0s - loss: 0.1332
1148/1148 [=====] - 0s 309us/step - loss: 0.1025

```

Epoch 4/5

```
10/1148 [...] - ETA: 0s - loss: 0.0495
860/1149 [=====>...] - ETA: 0s - loss: 0.2935
490/1148 [=====>...] - ETA: 0s - loss: 0.0737
310/1149 [=====>...] - ETA: 0s - loss: 0.1746
585/1149 [=====>...] - ETA: 0s - loss: 0.0969
825/1149 [=====>...] - ETA: 0s - loss: 0.1253
330/1149 [=====>...] - ETA: 0s - loss: 0.1262
955/1149 [=====>...] - ETA: 0s - loss: 0.1301
170/1148 [===>...] - ETA: 0s - loss: 0.0969
940/1149 [=====>...] - ETA: 0s - loss: 0.2845
580/1148 [=====>...] - ETA: 0s - loss: 0.0758
675/1149 [=====>...] - ETA: 0s - loss: 0.1064
410/1149 [=====>...] - ETA: 0s - loss: 0.1904
935/1149 [=====>...] - ETA: 0s - loss: 0.1262
420/1149 [=====>...] - ETA: 0s - loss: 0.1175
350/1148 [=====>...] - ETA: 0s - loss: 0.1097
1050/1149 [=====>...] - ETA: 0s - loss: 0.1263
1020/1149 [=====>...] - ETA: 0s - loss: 0.2696
670/1148 [=====>...] - ETA: 0s - loss: 0.0816
760/1149 [=====>...] - ETA: 0s - loss: 0.1053
510/1149 [=====>...] - ETA: 0s - loss: 0.1837
1035/1149 [=====>...] - ETA: 0s - loss: 0.1302
510/1149 [=====>...] - ETA: 0s - loss: 0.1161
530/1148 [=====>...] - ETA: 0s - loss: 0.1006
1145/1149 [=====>.] - ETA: 0s - loss: 0.1240
1090/1149 [=====>.] - ETA: 0s - loss: 0.2657
1149/1149 [=====] - 1s 589us/step - loss: 0.1237
```

Epoch 8/20

```
5/1149 [...] - ETA: 1s - loss: 0.0484
770/1148 [=====>...] - ETA: 0s - loss: 0.0796
600/1149 [=====>...] - ETA: 0s - loss: 0.1757
860/1149 [=====>...] - ETA: 0s - loss: 0.1052
1140/1149 [=====>.] - ETA: 0s - loss: 0.1378
1149/1149 [=====] - 1s 595us/step - loss: 0.1373
```

Epoch 15/15

```
5/1149 [...] - ETA: 0s - loss: 0.0693
615/1149 [=====>...] - ETA: 0s - loss: 0.1271
1149/1149 [=====] - 1s 618us/step - loss: 0.2603
```

Epoch 3/20

```
5/1149 [...] - ETA: 0s - loss: 0.1448
690/1148 [=====>...] - ETA: 0s - loss: 0.0958
75/1149 [>...] - ETA: 0s - loss: 0.1016
875/1148 [=====>...] - ETA: 0s - loss: 0.0795
```



```

705/1149 [=====>...] - ETA: 0s - loss: 0.1683
965/1149 [=====>...] - ETA: 0s - loss: 0.1061
105/1149 [=>...] - ETA: 0s - loss: 0.1358
715/1149 [=====>...] - ETA: 0s - loss: 0.1250
100/1149 [=>...] - ETA: 0s - loss: 0.1902
850/1148 [=====>...] - ETA: 0s - loss: 0.0927
155/1149 [====>...] - ETA: 0s - loss: 0.1381
975/1148 [=====>...] - ETA: 0s - loss: 0.0822
1055/1149 [=====>...] - ETA: 0s - loss: 0.1064
805/1149 [=====>...] - ETA: 0s - loss: 0.1602
205/1149 [====>...] - ETA: 0s - loss: 0.1283
805/1149 [=====>...] - ETA: 0s - loss: 0.1308
195/1149 [====>...] - ETA: 0s - loss: 0.1797
1070/1148 [=====>...] - ETA: 0s - loss: 0.0907
240/1149 [====>...] - ETA: 0s - loss: 0.1352
1070/1148 [=====>...] - ETA: 0s - loss: 0.0812
1148/1148 [=====] - 0s 288us/step - loss: 0.0898

1145/1149 [=====>.] - ETA: 0s - loss: 0.1091Epoch 5/5

    10/1148 [...] - ETA: 0s - loss: 0.0492
885/1149 [=====>...] - ETA: 0s - loss: 0.1602
1149/1149 [=====] - 1s 589us/step - loss: 0.1089

290/1149 [=====>...] - ETA: 0s - loss: 0.1213
890/1149 [=====>...] - ETA: 0s - loss: 0.1266
295/1149 [=====>...] - ETA: 0s - loss: 0.1750
1148/1148 [=====] - 1s 578us/step - loss: 0.0804

320/1149 [=====>...] - ETA: 0s - loss: 0.1359Epoch 15/20

    5/1148 [...] - ETA: 0s - loss: 0.0221
210/1148 [====>...] - ETA: 0s - loss: 0.0747
990/1149 [=====>...] - ETA: 0s - loss: 0.1565
380/1149 [=====>...] - ETA: 0s - loss: 0.1220
990/1149 [=====>...] - ETA: 0s - loss: 0.1239
405/1149 [=====>...] - ETA: 0s - loss: 0.1670
415/1149 [=====>...] - ETA: 0s - loss: 0.1309
100/1148 [=>...] - ETA: 0s - loss: 0.0611
410/1148 [=====>...] - ETA: 0s - loss: 0.0770
1085/1149 [=====>...] - ETA: 0s - loss: 0.1525
480/1149 [=====>...] - ETA: 0s - loss: 0.1213
1090/1149 [=====>...] - ETA: 0s - loss: 0.1267
490/1149 [=====>...] - ETA: 0s - loss: 0.1912
495/1149 [=====>...] - ETA: 0s - loss: 0.1240
1149/1149 [=====] - 1s 572us/step - loss: 0.1547

205/1148 [====>...] - ETA: 0s - loss: 0.0858Epoch 4/20

```

5/1149 [...] - ETA: 0s - loss: 0.1069  
590/1148 [=====>...] - ETA: 0s - loss: 0.0846  
1149/1149 [=====] - 1s 572us/step - loss: 0.1281  
Epoch 9/20

5/1149 [...] - ETA: 0s - loss: 0.1021  
575/1149 [=====>...] - ETA: 0s - loss: 0.1324  
580/1149 [=====>...] - ETA: 0s - loss: 0.1832  
585/1149 [=====>...] - ETA: 0s - loss: 0.1211  
295/1148 [=====>...] - ETA: 0s - loss: 0.0795  
90/1149 [=>...] - ETA: 0s - loss: 0.1842  
760/1148 [=====>...] - ETA: 0s - loss: 0.0844  
85/1149 [=>...] - ETA: 0s - loss: 0.0665  
665/1149 [=====>...] - ETA: 0s - loss: 0.1350  
670/1149 [=====>...] - ETA: 0s - loss: 0.1769  
180/1149 [===>...] - ETA: 0s - loss: 0.1378  
675/1149 [=====>...] - ETA: 0s - loss: 0.1171  
375/1148 [=====>...] - ETA: 0s - loss: 0.0817  
940/1148 [=====>...] - ETA: 0s - loss: 0.0842  
165/1149 [===>...] - ETA: 0s - loss: 0.1003  
750/1149 [=====>...] - ETA: 0s - loss: 0.1369  
765/1149 [=====>...] - ETA: 0s - loss: 0.1696  
445/1148 [=====>...] - ETA: 0s - loss: 0.0770  
765/1149 [=====>...] - ETA: 0s - loss: 0.1123  
275/1149 [=====>...] - ETA: 0s - loss: 0.1364  
1120/1148 [=====>.] - ETA: 0s - loss: 0.0835  
255/1149 [=====>...] - ETA: 0s - loss: 0.1284  
1148/1148 [=====] - 0s 275us/step - loss: 0.0847

840/1149 [=====>...] - ETA: 0s - loss: 0.1338  
860/1149 [=====>...] - ETA: 0s - loss: 0.1649  
540/1148 [=====>...] - ETA: 0s - loss: 0.0786  
385/1149 [=====>...] - ETA: 0s - loss: 0.1295  
865/1149 [=====>...] - ETA: 0s - loss: 0.1186  
330/1149 [=====>...] - ETA: 0s - loss: 0.1361  
920/1149 [=====>...] - ETA: 0s - loss: 0.1390  
935/1149 [=====>...] - ETA: 0s - loss: 0.1713  
620/1148 [=====>...] - ETA: 0s - loss: 0.0790  
950/1149 [=====>...] - ETA: 0s - loss: 0.1194  
460/1149 [=====>...] - ETA: 0s - loss: 0.1344  
400/1149 [=====>...] - ETA: 0s - loss: 0.1307  
995/1149 [=====>...] - ETA: 0s - loss: 0.1363  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1667  
700/1148 [=====>...] - ETA: 0s - loss: 0.0771  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1255  
560/1149 [=====>...] - ETA: 0s - loss: 0.1292  
485/1149 [=====>...] - ETA: 0s - loss: 0.1437

```

1095/1149 [=====>..] - ETA: 0s - loss: 0.1347
1100/1149 [=====>..] - ETA: 0s - loss: 0.1681
 790/1148 [=====>...] - ETA: 0s - loss: 0.0776
1149/1149 [=====] - 1s 565us/step - loss: 0.1332

1130/1149 [=====>..] - ETA: 0s - loss: 0.1228
 660/1149 [=====>...] - ETA: 0s - loss: 0.1221
1149/1149 [=====] - 1s 567us/step - loss: 0.1659

565/1149 [=====>...] - ETA: 0s - loss: 0.1350Epoch 4/20

 5/1149 [...] - ETA: 0s - loss: 0.1076
1149/1149 [=====] - 1s 601us/step - loss: 0.1222
Epoch 9/20

 5/1149 [...] - ETA: 0s - loss: 0.2119
865/1148 [=====>...] - ETA: 0s - loss: 0.0799
740/1149 [=====>...] - ETA: 0s - loss: 0.1195
635/1149 [=====>...] - ETA: 0s - loss: 0.1334
 80/1149 [=>...] - ETA: 0s - loss: 0.1238
 85/1149 [=>...] - ETA: 0s - loss: 0.1139
975/1148 [=====>...] - ETA: 0s - loss: 0.0812
830/1149 [=====>...] - ETA: 0s - loss: 0.1348
730/1149 [=====>...] - ETA: 0s - loss: 0.1284
170/1149 [====>...] - ETA: 0s - loss: 0.1346
165/1149 [====>...] - ETA: 0s - loss: 0.1054
1020/1148 [=====>...] - ETA: 0s - loss: 0.0816
755/1149 [=====>...] - ETA: 0s - loss: 0.1290
855/1149 [=====>...] - ETA: 0s - loss: 0.1338
195/1149 [====>...] - ETA: 0s - loss: 0.1331
190/1149 [====>...] - ETA: 0s - loss: 0.1050
1065/1148 [=====>...] - ETA: 0s - loss: 0.0806
885/1149 [=====>...] - ETA: 0s - loss: 0.1352
225/1149 [====>...] - ETA: 0s - loss: 0.1010
230/1149 [====>...] - ETA: 0s - loss: 0.1355
785/1149 [=====>...] - ETA: 0s - loss: 0.1265
1090/1148 [=====>..] - ETA: 0s - loss: 0.0801
 925/1149 [=====>...] - ETA: 0s - loss: 0.1357
1148/1148 [=====] - 1s 657us/step - loss: 0.0804

260/1149 [=====>...] - ETA: 0s - loss: 0.1105
835/1149 [=====>...] - ETA: 0s - loss: 0.1301
295/1149 [=====>...] - ETA: 0s - loss: 0.1396Epoch 16/20

 5/1148 [...] - ETA: 0s - loss: 0.0454
1025/1149 [=====>...] - ETA: 0s - loss: 0.1347
395/1149 [=====>...] - ETA: 0s - loss: 0.1384
355/1149 [=====>...] - ETA: 0s - loss: 0.1093

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925/1149 [=====>...] - ETA: 0s - loss: 0.1281
 95/1148 [=>...] - ETA: 0s - loss: 0.0566
1130/1149 [=====>.] - ETA: 0s - loss: 0.1461
 500/1149 [=====>...] - ETA: 0s - loss: 0.1627
 460/1149 [=====>...] - ETA: 0s - loss: 0.1117
1149/1149 [=====] - 1s 657us/step - loss: 0.1470

200/1148 [====>...] - ETA: 0s - loss: 0.0724
1025/1149 [=====>...] - ETA: 0s - loss: 0.1228Epoch 5/20

 5/1149 [...] - ETA: 0s - loss: 0.0831
610/1149 [=====>...] - ETA: 0s - loss: 0.1625
565/1149 [=====>...] - ETA: 0s - loss: 0.1197
305/1148 [=====>...] - ETA: 0s - loss: 0.0767
115/1149 [==>...] - ETA: 0s - loss: 0.1808
1125/1149 [=====>.] - ETA: 0s - loss: 0.1293
1149/1149 [=====] - 1s 705us/step - loss: 0.1281
Epoch 10/20

 5/1149 [...] - ETA: 0s - loss: 0.0821
650/1149 [=====>...] - ETA: 0s - loss: 0.1175
705/1149 [=====>...] - ETA: 0s - loss: 0.1586
405/1148 [=====>...] - ETA: 0s - loss: 0.0748
210/1149 [====>...] - ETA: 0s - loss: 0.1929
 90/1149 [=>...] - ETA: 0s - loss: 0.1198
755/1149 [=====>...] - ETA: 0s - loss: 0.1247
810/1149 [=====>...] - ETA: 0s - loss: 0.1523
500/1148 [=====>...] - ETA: 0s - loss: 0.0784
310/1149 [=====>...] - ETA: 0s - loss: 0.1797
190/1149 [====>...] - ETA: 0s - loss: 0.1170
850/1149 [=====>...] - ETA: 0s - loss: 0.1209
905/1149 [=====>...] - ETA: 0s - loss: 0.1538
395/1149 [=====>...] - ETA: 0s - loss: 0.1692
590/1148 [=====>...] - ETA: 0s - loss: 0.0781
300/1149 [=====>...] - ETA: 0s - loss: 0.1284
1000/1149 [=====>...] - ETA: 0s - loss: 0.1538
945/1149 [=====>...] - ETA: 0s - loss: 0.1172
675/1148 [=====>...] - ETA: 0s - loss: 0.0765
495/1149 [=====>...] - ETA: 0s - loss: 0.1593Epoch 1/5

10/1149 [...] - ETA: 1:30 - loss: 0.7294
395/1149 [=====>...] - ETA: 0s - loss: 0.1190
1040/1149 [=====>...] - ETA: 0s - loss: 0.1176
1090/1149 [=====>..] - ETA: 0s - loss: 0.1520
575/1149 [=====>...] - ETA: 0s - loss: 0.1555
775/1148 [=====>...] - ETA: 0s - loss: 0.0761
180/1149 [====>...] - ETA: 4s - loss: 1.0826
495/1149 [=====>...] - ETA: 0s - loss: 0.1164

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1149/1149 [=====] - 1s 634us/step - loss: 0.1556  
Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.0736  
1130/1149 [=====>...] - ETA: 0s - loss: 0.1199  
670/1149 [=====>...] - ETA: 0s - loss: 0.1462  
860/1148 [=====>...] - ETA: 0s - loss: 0.0761  
1149/1149 [=====] - 1s 648us/step - loss: 0.1198  
Epoch 10/20

5/1149 [...] - ETA: 0s - loss: 0.1336  
320/1149 [=====>...] - ETA: 2s - loss: 1.0417  
580/1149 [=====>...] - ETA: 0s - loss: 0.1179  
95/1149 [=>...] - ETA: 0s - loss: 0.2004  
950/1148 [=====>...] - ETA: 0s - loss: 0.0764  
760/1149 [=====>...] - ETA: 0s - loss: 0.1381  
100/1149 [=>...] - ETA: 0s - loss: 0.1386  
660/1149 [=====>...] - ETA: 0s - loss: 0.1304  
440/1149 [=====>...] - ETA: 1s - loss: 1.1068  
190/1149 [===>...] - ETA: 0s - loss: 0.1825  
1045/1148 [=====>...] - ETA: 0s - loss: 0.0797  
865/1149 [=====>...] - ETA: 0s - loss: 0.1473  
185/1149 [===>...] - ETA: 0s - loss: 0.1532  
755/1149 [=====>...] - ETA: 0s - loss: 0.1310  
290/1149 [=====>...] - ETA: 0s - loss: 0.1726  
460/1149 [=====>...] - ETA: 1s - loss: 1.1024  
1148/1148 [=====] - 1s 536us/step - loss: 0.0796  
Epoch 17/20

5/1148 [...] - ETA: 0s - loss: 0.0422  
970/1149 [=====>...] - ETA: 0s - loss: 0.1464  
285/1149 [=====>...] - ETA: 0s - loss: 0.1512  
850/1149 [=====>...] - ETA: 0s - loss: 0.1318  
395/1149 [=====>...] - ETA: 0s - loss: 0.1704  
550/1149 [=====>...] - ETA: 1s - loss: 1.1949  
110/1148 [=>...] - ETA: 0s - loss: 0.0824  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1409Epoch 1/5

10/1149 [...] - ETA: 50s - loss: 0.9010  
380/1149 [=====>...] - ETA: 0s - loss: 0.1444  
950/1149 [=====>...] - ETA: 0s - loss: 0.1327  
1149/1149 [=====] - 1s 517us/step - loss: 0.1422  
Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.4304  
515/1149 [=====>...] - ETA: 0s - loss: 0.1638  
670/1149 [=====>...] - ETA: 0s - loss: 1.1788  
200/1148 [=====>...] - ETA: 0s - loss: 0.0653Epoch 1/5

10/1149 [...] - ETA: 43s - loss: 1.8925  
 485/1149 [=====>...] - ETA: 0s - loss: 0.1310  
 40/1149 [>...] - ETA: 13s - loss: 1.2412  
 1040/1149 [=====>...] - ETA: 0s - loss: 0.1293  
 120/1149 [==>...] - ETA: 0s - loss: 0.2535  
 640/1149 [=====>...] - ETA: 0s - loss: 0.1551  
 840/1149 [=====>...] - ETA: 0s - loss: 1.1590  
 315/1148 [=====>...] - ETA: 0s - loss: 0.0717  
 20/1149 [...] - ETA: 24s - loss: 1.1395  
 610/1149 [=====>...] - ETA: 0s - loss: 0.1392  
 120/1149 [==>...] - ETA: 4s - loss: 1.7121  
 1135/1149 [=====>.] - ETA: 0s - loss: 0.1269  
 1149/1149 [=====>] - 1s 545us/step - loss: 0.1264  
 Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.0806  
 225/1149 [====>...] - ETA: 0s - loss: 0.2313  
 745/1149 [=====>...] - ETA: 0s - loss: 0.1521  
 1110/1149 [=====>.] - ETA: 0s - loss: 1.1492  
 425/1148 [=====>...] - ETA: 0s - loss: 0.0751  
 1149/1149 [=====>] - 1s 1ms/step - loss: 1.1556  
 Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 1.1767  
 715/1149 [=====>...] - ETA: 0s - loss: 0.1331  
 220/1149 [====>...] - ETA: 2s - loss: 1.4304  
 115/1149 [==>...] - ETA: 0s - loss: 0.1018  
 330/1149 [=====>...] - ETA: 0s - loss: 0.1987  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1449  
 60/1149 [>...] - ETA: 9s - loss: 1.1279  
 530/1148 [=====>...] - ETA: 0s - loss: 0.0811  
 240/1149 [====>...] - ETA: 0s - loss: 0.8390  
 820/1149 [=====>...] - ETA: 0s - loss: 0.1297  
 310/1149 [=====>...] - ETA: 1s - loss: 1.3585  
 230/1149 [====>...] - ETA: 0s - loss: 0.0833  
 420/1149 [=====>...] - ETA: 0s - loss: 0.1815  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1444  
 100/1149 [=>...] - ETA: 6s - loss: 0.9563  
 470/1149 [=====>...] - ETA: 0s - loss: 0.9016  
 625/1148 [=====>...] - ETA: 0s - loss: 0.0800  
 910/1149 [=====>...] - ETA: 0s - loss: 0.1251  
 450/1149 [=====>...] - ETA: 1s - loss: 1.2518  
 345/1149 [=====>...] - ETA: 0s - loss: 0.0976  
 520/1149 [=====>...] - ETA: 0s - loss: 0.1712  
 1055/1149 [=====>...] - ETA: 0s - loss: 0.1440  
 690/1149 [=====>...] - ETA: 0s - loss: 0.8889  
 160/1149 [====>...] - ETA: 3s - loss: 0.8763

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730/1148 [=====>...] - ETA: 0s - loss: 0.0776
1000/1149 [=====>...] - ETA: 0s - loss: 0.1231
610/1149 [=====>...] - ETA: 0s - loss: 1.2439
1149/1149 [=====] - 1s 487us/step - loss: 0.1490

465/1149 [=====>...] - ETA: 0s - loss: 0.1054Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.0796
600/1149 [=====>...] - ETA: 0s - loss: 0.1657
900/1149 [=====>...] - ETA: 0s - loss: 0.8329
230/1149 [=====>...] - ETA: 2s - loss: 1.1816
820/1148 [=====>...] - ETA: 0s - loss: 0.0789
1095/1149 [=====>...] - ETA: 0s - loss: 0.1192
720/1149 [=====>...] - ETA: 0s - loss: 1.2415
565/1149 [=====>...] - ETA: 0s - loss: 0.1148
700/1149 [=====>...] - ETA: 0s - loss: 0.1570
120/1149 [==>...] - ETA: 0s - loss: 0.1363
1149/1149 [=====] - 1s 521us/step - loss: 0.1176
Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.0935
1130/1149 [=====>.] - ETA: 0s - loss: 0.7703
925/1148 [=====>...] - ETA: 0s - loss: 0.0798
300/1149 [=====>...] - ETA: 2s - loss: 1.1256
1149/1149 [=====] - 0s 231us/step - loss: 0.7654
Epoch 3/5

10/1149 [...] - ETA: 0s - loss: 0.4846
790/1149 [=====>...] - ETA: 0s - loss: 1.2079
675/1149 [=====>...] - ETA: 0s - loss: 0.1121
805/1149 [=====>...] - ETA: 0s - loss: 0.1482
235/1149 [=====>...] - ETA: 0s - loss: 0.1623
95/1149 [=>...] - ETA: 0s - loss: 0.1553
370/1149 [=====>...] - ETA: 1s - loss: 1.1145
1015/1148 [=====>...] - ETA: 0s - loss: 0.0798
240/1149 [=====>...] - ETA: 0s - loss: 0.3549
930/1149 [=====>...] - ETA: 0s - loss: 1.1601
770/1149 [=====>...] - ETA: 0s - loss: 0.1236
900/1149 [=====>...] - ETA: 0s - loss: 0.1461
325/1149 [=====>...] - ETA: 0s - loss: 0.1491
195/1149 [=====>...] - ETA: 0s - loss: 0.1300
1110/1148 [=====>.] - ETA: 0s - loss: 0.0801
550/1149 [=====>...] - ETA: 0s - loss: 1.1618
360/1149 [=====>...] - ETA: 0s - loss: 0.3357
1149/1149 [=====] - 1s 842us/step - loss: 1.1448

1148/1148 [=====] - 1s 516us/step - loss: 0.0796
Epoch 2/5

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10/1149 [...] - ETA: 0s - loss: 1.1782Epoch 18/20

5/1148 [...] - ETA: 0s - loss: 0.3259
845/1149 [=====>...] - ETA: 0s - loss: 0.1224
995/1149 [=====>...] - ETA: 0s - loss: 0.1422
390/1149 [=====>...] - ETA: 0s - loss: 0.1508
295/1149 [=====>...] - ETA: 0s - loss: 0.1279
710/1149 [=====>...] - ETA: 0s - loss: 1.1797
520/1149 [=====>...] - ETA: 0s - loss: 0.2954
270/1149 [=====>...] - ETA: 0s - loss: 0.9905
100/1148 [=>...] - ETA: 0s - loss: 0.1332
910/1149 [=====>...] - ETA: 0s - loss: 0.1285
1095/1149 [=====>...] - ETA: 0s - loss: 0.1394
465/1149 [=====>...] - ETA: 0s - loss: 0.1477
390/1149 [=====>...] - ETA: 0s - loss: 0.1245
910/1149 [=====>...] - ETA: 0s - loss: 1.1646
1149/1149 [=====] - 1s 522us/step - loss: 0.1372

680/1149 [=====>...] - ETA: 0s - loss: 0.2679Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.1208
420/1149 [=====>...] - ETA: 0s - loss: 0.9443
200/1148 [=====>...] - ETA: 0s - loss: 0.1075
1015/1149 [=====>...] - ETA: 0s - loss: 0.1251
560/1149 [=====>...] - ETA: 0s - loss: 0.1473
450/1149 [=====>...] - ETA: 0s - loss: 0.1252
1060/1149 [=====>...] - ETA: 0s - loss: 1.1450
900/1149 [=====>...] - ETA: 0s - loss: 0.2466
110/1149 [=>...] - ETA: 0s - loss: 0.1400
580/1149 [=====>...] - ETA: 0s - loss: 0.8619
285/1148 [=====>...] - ETA: 0s - loss: 0.0987
1120/1149 [=====>...] - ETA: 0s - loss: 0.1247
1149/1149 [=====] - 1s 888us/step - loss: 1.1043

650/1149 [=====>...] - ETA: 0s - loss: 0.1447Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 1.1554
525/1149 [=====>...] - ETA: 0s - loss: 0.1216
1149/1149 [=====] - 1s 510us/step - loss: 0.1239
Epoch 12/20

5/1149 [...] - ETA: 0s - loss: 0.1329
1100/1149 [=====>...] - ETA: 0s - loss: 0.2251
225/1149 [=====>...] - ETA: 0s - loss: 0.1210
710/1149 [=====>...] - ETA: 0s - loss: 0.8435
1149/1149 [=====] - 0s 284us/step - loss: 0.2211

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365/1148 [=====>...] - ETA: 0s - loss: 0.0983Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 0.0885
745/1149 [=====>...] - ETA: 0s - loss: 0.1449
190/1149 [===>...] - ETA: 0s - loss: 0.8501
605/1149 [=====>...] - ETA: 0s - loss: 0.1269
95/1149 [=>...] - ETA: 0s - loss: 0.1925
305/1149 [=====>...] - ETA: 0s - loss: 0.1274
900/1149 [=====>...] - ETA: 0s - loss: 0.7648
230/1149 [=====>...] - ETA: 0s - loss: 0.1733
430/1148 [=====>...] - ETA: 0s - loss: 0.0926
840/1149 [=====>...] - ETA: 0s - loss: 0.1410
410/1149 [=====>...] - ETA: 0s - loss: 0.7792
710/1149 [=====>...] - ETA: 0s - loss: 0.1209
195/1149 [===>...] - ETA: 0s - loss: 0.1673
390/1149 [=====>...] - ETA: 0s - loss: 0.1541
1070/1149 [=====>...] - ETA: 0s - loss: 0.7044
420/1149 [=====>...] - ETA: 0s - loss: 0.1369
505/1148 [=====>...] - ETA: 0s - loss: 0.0897
925/1149 [=====>...] - ETA: 0s - loss: 0.1408
610/1149 [=====>...] - ETA: 0s - loss: 0.7800
1149/1149 [=====] - 0s 285us/step - loss: 0.6893

790/1149 [=====>...] - ETA: 0s - loss: 0.1181Epoch 3/5

10/1149 [...] - ETA: 0s - loss: 0.2219
280/1149 [=====>...] - ETA: 0s - loss: 0.1587
490/1149 [=====>...] - ETA: 0s - loss: 0.1576
610/1149 [=====>...] - ETA: 0s - loss: 0.1322
615/1148 [=====>...] - ETA: 0s - loss: 0.0865
1005/1149 [=====>...] - ETA: 0s - loss: 0.1446
790/1149 [=====>...] - ETA: 0s - loss: 0.7661
895/1149 [=====>...] - ETA: 0s - loss: 0.1178
220/1149 [===>...] - ETA: 0s - loss: 0.2948
355/1149 [=====>...] - ETA: 0s - loss: 0.1589
585/1149 [=====>...] - ETA: 0s - loss: 0.1528
715/1148 [=====>...] - ETA: 0s - loss: 0.0824
790/1149 [=====>...] - ETA: 0s - loss: 0.1383
1090/1149 [=====>..] - ETA: 0s - loss: 0.1449
980/1149 [=====>...] - ETA: 0s - loss: 0.7004
1000/1149 [=====>...] - ETA: 0s - loss: 0.1234
430/1149 [=====>...] - ETA: 0s - loss: 0.2768
440/1149 [=====>...] - ETA: 0s - loss: 0.1526
1149/1149 [=====] - 1s 569us/step - loss: 0.1449
Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.1244
685/1149 [=====>...] - ETA: 0s - loss: 0.1472

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1010/1149 [=====>...] - ETA: 0s - loss: 0.1321
 825/1148 [=====>...] - ETA: 0s - loss: 0.0780
1149/1149 [=====] - 0s 268us/step - loss: 0.6562
Epoch 3/5

 10/1149 [...] - ETA: 0s - loss: 0.1469
 600/1149 [=====>...] - ETA: 0s - loss: 0.2794
1095/1149 [=====>..] - ETA: 0s - loss: 0.1189
 525/1149 [=====>...] - ETA: 0s - loss: 0.1402
1149/1149 [=====] - 0s 250us/step - loss: 0.1403
Epoch 5/5

 10/1149 [...] - ETA: 0s - loss: 0.0813
 765/1149 [=====>...] - ETA: 0s - loss: 0.1447
 110/1149 [=>...] - ETA: 0s - loss: 0.1260
1149/1149 [=====] - 1s 568us/step - loss: 0.1178

915/1148 [=====>...] - ETA: 0s - loss: 0.0792Epoch 12/20

  5/1149 [...] - ETA: 0s - loss: 0.0857
170/1149 [===>...] - ETA: 0s - loss: 0.3451
770/1149 [=====>...] - ETA: 0s - loss: 0.2925
605/1149 [=====>...] - ETA: 0s - loss: 0.1376
230/1149 [=====>...] - ETA: 0s - loss: 0.1069
845/1149 [=====>...] - ETA: 0s - loss: 0.1422
225/1149 [=====>...] - ETA: 0s - loss: 0.1301
1000/1148 [=====>...] - ETA: 0s - loss: 0.0789
360/1149 [=====>...] - ETA: 0s - loss: 0.2784
 110/1149 [=>...] - ETA: 0s - loss: 0.1209
950/1149 [=====>...] - ETA: 0s - loss: 0.2789
710/1149 [=====>...] - ETA: 0s - loss: 0.1299
400/1149 [=====>...] - ETA: 0s - loss: 0.1363
935/1149 [=====>...] - ETA: 0s - loss: 0.1398
300/1149 [=====>...] - ETA: 0s - loss: 0.1278
1085/1148 [=====>..] - ETA: 0s - loss: 0.0781
540/1149 [=====>...] - ETA: 0s - loss: 0.2313
220/1149 [=====>...] - ETA: 0s - loss: 0.1406
1120/1149 [=====>..] - ETA: 0s - loss: 0.2643
 835/1149 [=====>...] - ETA: 0s - loss: 0.1258
1149/1149 [=====] - 0s 275us/step - loss: 0.2612
Epoch 4/5

 10/1149 [...] - ETA: 0s - loss: 0.1950
560/1149 [=====>...] - ETA: 0s - loss: 0.1292
1148/1148 [=====] - 1s 575us/step - loss: 0.0786

1035/1149 [=====>...] - ETA: 0s - loss: 0.1357Epoch 19/20

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5/1148 [...] - ETA: 0s - loss: 0.1003  
 390/1149 [=====>...] - ETA: 0s - loss: 0.1503  
 750/1149 [=====>...] - ETA: 0s - loss: 0.2131  
 325/1149 [=====>...] - ETA: 0s - loss: 0.1308  
 945/1149 [=====>...] - ETA: 0s - loss: 0.1246  
 200/1149 [====>...] - ETA: 0s - loss: 0.1668  
 730/1149 [=====>...] - ETA: 0s - loss: 0.1358  
 1120/1149 [=====>.] - ETA: 0s - loss: 0.1342  
 485/1149 [=====>...] - ETA: 0s - loss: 0.1628  
 105/1148 [=>...] - ETA: 0s - loss: 0.0797  
 930/1149 [=====>...] - ETA: 0s - loss: 0.2058  
 405/1149 [=====>...] - ETA: 0s - loss: 0.1324  
 1149/1149 [=====] - 1s 556us/step - loss: 0.1338  
 Epoch 8/20

5/1149 [...] - ETA: 0s - loss: 0.0570  
 1035/1149 [=====>...] - ETA: 0s - loss: 0.1242  
 360/1149 [=====>...] - ETA: 0s - loss: 0.1722  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1289  
 585/1149 [=====>...] - ETA: 0s - loss: 0.1552  
 210/1148 [====>...] - ETA: 0s - loss: 0.0837  
 1100/1149 [=====>..] - ETA: 0s - loss: 0.2082  
 490/1149 [=====>...] - ETA: 0s - loss: 0.1261  
 90/1149 [=>...] - ETA: 0s - loss: 0.1430  
 1149/1149 [=====] - 0s 282us/step - loss: 0.2058  
 Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 0.2047  
 1120/1149 [=====>.] - ETA: 0s - loss: 0.1248  
 540/1149 [=====>...] - ETA: 0s - loss: 0.1720  
 1149/1149 [=====] - 0s 269us/step - loss: 0.1301  
 1149/1149 [=====] - 1s 556us/step - loss: 0.1234  
 315/1148 [=====>...] - ETA: 0s - loss: 0.0749Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.0620  
 685/1149 [=====>...] - ETA: 0s - loss: 0.1555  
 175/1149 [====>...] - ETA: 0s - loss: 0.1202  
 570/1149 [=====>...] - ETA: 0s - loss: 0.1229  
 190/1149 [====>...] - ETA: 0s - loss: 0.1651  
 710/1149 [=====>...] - ETA: 0s - loss: 0.1785  
 415/1148 [=====>...] - ETA: 0s - loss: 0.0756  
 790/1149 [=====>...] - ETA: 0s - loss: 0.1493  
 100/1149 [=>...] - ETA: 0s - loss: 0.1682  
 280/1149 [=====>...] - ETA: 0s - loss: 0.1042  
 655/1149 [=====>...] - ETA: 0s - loss: 0.1157  
 410/1149 [=====>...] - ETA: 0s - loss: 0.1292

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920/1149 [=====>...] - ETA: 0s - loss: 0.1705
530/1148 [=====>...] - ETA: 0s - loss: 0.0760
895/1149 [=====>...] - ETA: 0s - loss: 0.1495
200/1149 [====>...] - ETA: 0s - loss: 0.1180
380/1149 [=====>...] - ETA: 0s - loss: 0.1296
750/1149 [=====>...] - ETA: 0s - loss: 0.1158
630/1149 [=====>...] - ETA: 0s - loss: 0.1561
1100/1149 [=====>..] - ETA: 0s - loss: 0.1694
625/1148 [=====>...] - ETA: 0s - loss: 0.0747
1149/1149 [=====] - 0s 285us/step - loss: 0.1672

980/1149 [=====>...] - ETA: 0s - loss: 0.1478
280/1149 [=====>...] - ETA: 0s - loss: 0.1126Epoch 5/5

10/1149 [...] - ETA: 0s - loss: 0.1846
490/1149 [=====>...] - ETA: 0s - loss: 0.1328
840/1149 [=====>...] - ETA: 0s - loss: 0.1167
810/1149 [=====>...] - ETA: 0s - loss: 0.1497
715/1148 [=====>...] - ETA: 0s - loss: 0.0750
180/1149 [====>...] - ETA: 0s - loss: 0.1706
370/1149 [=====>...] - ETA: 0s - loss: 0.1293
1065/1149 [=====>...] - ETA: 0s - loss: 0.1431
595/1149 [=====>...] - ETA: 0s - loss: 0.1297
940/1149 [=====>...] - ETA: 0s - loss: 0.1162
970/1149 [=====>...] - ETA: 0s - loss: 0.1477
810/1148 [=====>...] - ETA: 0s - loss: 0.0740
380/1149 [=====>...] - ETA: 0s - loss: 0.1602
450/1149 [=====>...] - ETA: 0s - loss: 0.1195
1149/1149 [=====] - 1s 543us/step - loss: 0.1407
Epoch 8/20

5/1149 [...] - ETA: 0s - loss: 0.1191
695/1149 [=====>...] - ETA: 0s - loss: 0.1283
1045/1149 [=====>...] - ETA: 0s - loss: 0.1163
1140/1149 [=====>.] - ETA: 0s - loss: 0.1447
1149/1149 [=====] - 0s 276us/step - loss: 0.1440
Epoch 5/5

10/1149 [...] - ETA: 0s - loss: 0.1614
900/1148 [=====>...] - ETA: 0s - loss: 0.0746
535/1149 [=====>...] - ETA: 0s - loss: 0.1201
590/1149 [=====>...] - ETA: 0s - loss: 0.1559
110/1149 [=>...] - ETA: 0s - loss: 0.0812
775/1149 [=====>...] - ETA: 0s - loss: 0.1234
1140/1149 [=====>.] - ETA: 0s - loss: 0.1153
1149/1149 [=====] - 1s 554us/step - loss: 0.1159
Epoch 13/20

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5/1149 [...] - ETA: 0s - loss: 0.1025
180/1149 [====>...] - ETA: 0s - loss: 0.1332
990/1148 [=====>...] - ETA: 0s - loss: 0.0754
615/1149 [=====>...] - ETA: 0s - loss: 0.1228
760/1149 [=====>...] - ETA: 0s - loss: 0.1472
840/1149 [=====>...] - ETA: 0s - loss: 0.1223
90/1149 [=>...] - ETA: 0s - loss: 0.0879
210/1149 [====>...] - ETA: 0s - loss: 0.1332
360/1149 [=====>...] - ETA: 0s - loss: 0.1285
1080/1148 [=====>..] - ETA: 0s - loss: 0.0785
720/1149 [=====>...] - ETA: 0s - loss: 0.1215
960/1149 [=====>...] - ETA: 0s - loss: 0.1461
940/1149 [=====>...] - ETA: 0s - loss: 0.1202
190/1149 [====>...] - ETA: 0s - loss: 0.0865
285/1149 [=====>...] - ETA: 0s - loss: 0.1366
1148/1148 [=====] - 1s 524us/step - loss: 0.0789
Epoch 20/20

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5/1148 [...] - ETA: 0s - loss: 0.1049
560/1149 [=====>...] - ETA: 0s - loss: 0.1208
1149/1149 [=====] - 0s 265us/step - loss: 0.1467

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820/1149 [=====>...] - ETA: 0s - loss: 0.1256
1045/1149 [=====>...] - ETA: 0s - loss: 0.1203
290/1149 [=====>...] - ETA: 0s - loss: 0.0983
355/1149 [=====>...] - ETA: 0s - loss: 0.1274
95/1148 [=>...] - ETA: 0s - loss: 0.0657
750/1149 [=====>...] - ETA: 0s - loss: 0.1253
925/1149 [=====>...] - ETA: 0s - loss: 0.1248
1135/1149 [=====>.] - ETA: 0s - loss: 0.1311
455/1149 [=====>...] - ETA: 0s - loss: 0.1299
1149/1149 [=====] - 1s 548us/step - loss: 0.1309

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385/1149 [=====>...] - ETA: 0s - loss: 0.1045Epoch 9/20

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5/1149 [...] - ETA: 0s - loss: 0.0667
180/1148 [====>...] - ETA: 0s - loss: 0.0664
990/1149 [=====>...] - ETA: 0s - loss: 0.1294
1035/1149 [=====>...] - ETA: 0s - loss: 0.1234
565/1149 [=====>...] - ETA: 0s - loss: 0.1255
480/1149 [=====>...] - ETA: 0s - loss: 0.1051
105/1149 [=>...] - ETA: 0s - loss: 0.1016
1149/1149 [=====] - 0s 264us/step - loss: 0.1339

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290/1148 [=====>...] - ETA: 0s - loss: 0.0694
1140/1149 [=====>.] - ETA: 0s - loss: 0.1211
1149/1149 [=====] - 1s 547us/step - loss: 0.1210
Epoch 14/20

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5/1149 [...] - ETA: 0s - loss: 0.1389  
 690/1149 [=====>...] - ETA: 0s - loss: 0.1280  
 215/1149 [====>...] - ETA: 0s - loss: 0.0922  
 575/1149 [=====>...] - ETA: 0s - loss: 0.1036  
 360/1148 [=====>...] - ETA: 0s - loss: 0.0684  
 110/1149 [=>...] - ETA: 0s - loss: 0.1090  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1287  
 690/1149 [=====>...] - ETA: 0s - loss: 0.1078  
 340/1149 [=====>...] - ETA: 0s - loss: 0.0894  
 435/1148 [=====>...] - ETA: 0s - loss: 0.0701  
 210/1149 [====>...] - ETA: 0s - loss: 0.1112  
 915/1149 [=====>...] - ETA: 0s - loss: 0.1298  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1078  
 455/1149 [=====>...] - ETA: 0s - loss: 0.0962  
 525/1148 [=====>...] - ETA: 0s - loss: 0.0724  
 300/1149 [=====>...] - ETA: 0s - loss: 0.1121  
 1015/1149 [=====>...] - ETA: 0s - loss: 0.1301  
 900/1149 [=====>...] - ETA: 0s - loss: 0.1098  
 550/1149 [=====>...] - ETA: 0s - loss: 0.1039  
 615/1148 [=====>...] - ETA: 0s - loss: 0.0737  
 385/1149 [=====>...] - ETA: 0s - loss: 0.1311  
 1105/1149 [=====>..] - ETA: 0s - loss: 0.1388  
 980/1149 [=====>...] - ETA: 0s - loss: 0.1093  
 650/1149 [=====>...] - ETA: 0s - loss: 0.1222  
 685/1148 [=====>...] - ETA: 0s - loss: 0.0736  
 1149/1149 [=====] - 1s 530us/step - loss: 0.1369  
 Epoch 9/20

5/1149 [...] - ETA: 0s - loss: 0.0977  
 470/1149 [=====>...] - ETA: 0s - loss: 0.1258  
 1065/1149 [=====>...] - ETA: 0s - loss: 0.1085  
 735/1149 [=====>...] - ETA: 0s - loss: 0.1251  
 775/1148 [=====>...] - ETA: 0s - loss: 0.0792  
 90/1149 [=>...] - ETA: 0s - loss: 0.2138  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1311  
 1149/1149 [=====] - 1s 533us/step - loss: 0.1147  
 Epoch 14/20

5/1149 [...] - ETA: 0s - loss: 0.0917  
 825/1149 [=====>...] - ETA: 0s - loss: 0.1229  
 870/1148 [=====>...] - ETA: 0s - loss: 0.0793  
 185/1149 [====>...] - ETA: 0s - loss: 0.1713  
 665/1149 [=====>...] - ETA: 0s - loss: 0.1247  
 110/1149 [=>...] - ETA: 0s - loss: 0.1389  
 910/1149 [=====>...] - ETA: 0s - loss: 0.1193  
 945/1148 [=====>...] - ETA: 0s - loss: 0.0775Epoch 1/5

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10/1149 [...] - ETA: 50s - loss: 1.0361
275/1149 [=====>...] - ETA: 0s - loss: 0.1515
745/1149 [=====>...] - ETA: 0s - loss: 0.1226
205/1149 [====>...] - ETA: 0s - loss: 0.1372
1025/1149 [=====>...] - ETA: 0s - loss: 0.1335
1035/1148 [=====>...] - ETA: 0s - loss: 0.0778
375/1149 [=====>...] - ETA: 0s - loss: 0.1457
160/1149 [===>...] - ETA: 3s - loss: 1.3224
850/1149 [=====>...] - ETA: 0s - loss: 0.1199
305/1149 [=====>...] - ETA: 0s - loss: 0.1271
1110/1149 [=====>...] - ETA: 0s - loss: 0.1317
1140/1148 [=====>...] - ETA: 0s - loss: 0.0784
1148/1148 [=====] - 1s 591us/step - loss: 0.0784

450/1149 [=====>...] - ETA: 0s - loss: 0.1451
1149/1149 [=====] - 1s 511us/step - loss: 0.1296
Epoch 10/20

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5/1149 [...] - ETA: 0s - loss: 0.0541
955/1149 [=====>...] - ETA: 0s - loss: 0.1203
330/1149 [=====>...] - ETA: 1s - loss: 1.2549
395/1149 [=====>...] - ETA: 0s - loss: 0.1206
550/1149 [=====>...] - ETA: 0s - loss: 0.1366
105/1149 [=>...] - ETA: 0s - loss: 0.1915
1065/1149 [=====>...] - ETA: 0s - loss: 0.1193
500/1149 [=====>...] - ETA: 0s - loss: 1.1846
515/1149 [=====>...] - ETA: 0s - loss: 0.1163
1149/1149 [=====] - 1s 527us/step - loss: 0.1199

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650/1149 [=====>...] - ETA: 0s - loss: 0.1359Epoch 15/20

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5/1149 [...] - ETA: 0s - loss: 0.1606
205/1149 [====>...] - ETA: 0s - loss: 0.1497Epoch 1/10

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10/1148 [...] - ETA: 46s - loss: 0.3887
670/1149 [=====>...] - ETA: 0s - loss: 1.1280
620/1149 [=====>...] - ETA: 0s - loss: 0.1152
95/1149 [=>...] - ETA: 0s - loss: 0.0936
760/1149 [=====>...] - ETA: 0s - loss: 0.1306
310/1149 [=====>...] - ETA: 0s - loss: 0.1370
100/1148 [=>...] - ETA: 4s - loss: 0.3766
910/1149 [=====>...] - ETA: 0s - loss: 1.1052
725/1149 [=====>...] - ETA: 0s - loss: 0.1172
185/1149 [===>...] - ETA: 0s - loss: 0.1076
860/1149 [=====>...] - ETA: 0s - loss: 0.1318
400/1149 [=====>...] - ETA: 0s - loss: 0.1247
260/1148 [=====>...] - ETA: 1s - loss: 0.3921
1140/1149 [=====>...] - ETA: 0s - loss: 1.0794

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1149/1149 [=====] - 1s 672us/step - loss: 1.0738  
Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 0.6032  
820/1149 [=====>...] - ETA: 0s - loss: 0.1139  
270/1149 [=====>...] - ETA: 0s - loss: 0.1101  
950/1149 [=====>...] - ETA: 0s - loss: 0.1306  
485/1149 [=====>...] - ETA: 0s - loss: 0.1257  
400/1148 [=====>...] - ETA: 1s - loss: 0.3751  
180/1149 [====>...] - ETA: 0s - loss: 0.9451  
910/1149 [=====>...] - ETA: 0s - loss: 0.1126  
365/1149 [=====>...] - ETA: 0s - loss: 0.1043  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1369  
580/1149 [=====>...] - ETA: 0s - loss: 0.1215  
530/1148 [=====>...] - ETA: 0s - loss: 0.3784  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1164  
360/1149 [=====>...] - ETA: 0s - loss: 1.0106  
455/1149 [=====>...] - ETA: 0s - loss: 0.1095  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1354  
680/1149 [=====>...] - ETA: 0s - loss: 0.1205  
1149/1149 [=====] - 1s 552us/step - loss: 0.1340  
Epoch 10/20

5/1149 [...] - ETA: 0s - loss: 0.2160  
650/1148 [=====>...] - ETA: 0s - loss: 0.3657  
1110/1149 [=====>..] - ETA: 0s - loss: 0.1131  
540/1149 [=====>...] - ETA: 0s - loss: 0.9414  
1149/1149 [=====] - 1s 510us/step - loss: 0.1126  
Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.0493  
555/1149 [=====>...] - ETA: 0s - loss: 0.1088  
795/1149 [=====>...] - ETA: 0s - loss: 0.1176  
85/1149 [=>...] - ETA: 0s - loss: 0.1083  
760/1148 [=====>...] - ETA: 0s - loss: 0.3505  
710/1149 [=====>...] - ETA: 0s - loss: 0.8527  
115/1149 [==>...] - ETA: 0s - loss: 0.1333  
660/1149 [=====>...] - ETA: 0s - loss: 0.1058  
890/1149 [=====>...] - ETA: 0s - loss: 0.1326  
185/1149 [====>...] - ETA: 0s - loss: 0.1564  
910/1148 [=====>...] - ETA: 0s - loss: 0.3389  
900/1149 [=====>...] - ETA: 0s - loss: 0.8336Epoch 1/10

10/1149 [...] - ETA: 53s - loss: 0.5814  
220/1149 [====>...] - ETA: 0s - loss: 0.1130  
750/1149 [=====>...] - ETA: 0s - loss: 0.1018  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1277  
295/1149 [=====>...] - ETA: 0s - loss: 0.1410



1080/1148 [=====>..] - ETA: 0s - loss: 0.3238  
1120/1149 [=====>.] - ETA: 0s - loss: 0.8101  
1148/1148 [=====] - 1s 738us/step - loss: 0.3183  
Epoch 2/10

10/1148 [...] - ETA: 0s - loss: 0.1118  
1149/1149 [=====] - 0s 282us/step - loss: 0.8063  
Epoch 3/5

10/1149 [...] - ETA: 0s - loss: 0.1483  
320/1149 [=====>...] - ETA: 0s - loss: 0.1141  
90/1149 [=>...] - ETA: 6s - loss: 1.5713  
860/1149 [=====>...] - ETA: 0s - loss: 0.0997  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1302  
395/1149 [=====>...] - ETA: 0s - loss: 0.1488  
1149/1149 [=====] - 1s 514us/step - loss: 0.1278  
Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.3529  
220/1148 [=====>...] - ETA: 0s - loss: 0.1698  
210/1149 [=====>...] - ETA: 0s - loss: 0.6985  
435/1149 [=====>...] - ETA: 0s - loss: 0.1215  
140/1149 [==>...] - ETA: 4s - loss: 1.4046  
960/1149 [=====>...] - ETA: 0s - loss: 0.1078  
485/1149 [=====>...] - ETA: 0s - loss: 0.1417  
105/1149 [=>...] - ETA: 0s - loss: 0.1138  
400/1148 [=====>...] - ETA: 0s - loss: 0.1612  
430/1149 [=====>...] - ETA: 0s - loss: 0.5795  
535/1149 [=====>...] - ETA: 0s - loss: 0.1149  
250/1149 [=====>...] - ETA: 2s - loss: 1.2700  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1149  
580/1149 [=====>...] - ETA: 0s - loss: 0.1330  
205/1149 [=====>...] - ETA: 0s - loss: 0.1242  
590/1148 [=====>...] - ETA: 0s - loss: 0.1799  
635/1149 [=====>...] - ETA: 0s - loss: 0.1163  
620/1149 [=====>...] - ETA: 0s - loss: 0.5105  
1149/1149 [=====] - 1s 533us/step - loss: 0.1189

360/1149 [=====>...] - ETA: 1s - loss: 1.2382Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.0824  
680/1149 [=====>...] - ETA: 0s - loss: 0.1341  
315/1149 [=====>...] - ETA: 0s - loss: 0.1365  
750/1148 [=====>...] - ETA: 0s - loss: 0.1744  
735/1149 [=====>...] - ETA: 0s - loss: 0.1134  
840/1149 [=====>...] - ETA: 0s - loss: 0.4755  
115/1149 [==>...] - ETA: 0s - loss: 0.1396  
440/1149 [=====>...] - ETA: 1s - loss: 1.2289Epoch 1/10

10/1149 [...] - ETA: 48s - loss: 1.3007  
 795/1149 [=====>...] - ETA: 0s - loss: 0.1285  
 415/1149 [=====>...] - ETA: 0s - loss: 0.1332  
 980/1148 [=====>...] - ETA: 0s - loss: 0.1630  
 830/1149 [=====>...] - ETA: 0s - loss: 0.1125  
 1020/1149 [=====>...] - ETA: 0s - loss: 0.4564  
 590/1149 [=====>...] - ETA: 0s - loss: 1.2202  
 200/1149 [====>...] - ETA: 0s - loss: 0.1217  
 130/1149 [==>...] - ETA: 3s - loss: 1.0017  
 900/1149 [=====>...] - ETA: 0s - loss: 0.1267  
 505/1149 [=====>...] - ETA: 0s - loss: 0.1244  
 1148/1148 [=====] - 0s 273us/step - loss: 0.1589  
 Epoch 3/10

10/1148 [...] - ETA: 0s - loss: 0.2362  
 920/1149 [=====>...] - ETA: 0s - loss: 0.1096  
 1149/1149 [=====] - 0s 275us/step - loss: 0.4282  
 Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 0.3304  
 290/1149 [=====>...] - ETA: 0s - loss: 0.1262  
 830/1149 [=====>...] - ETA: 0s - loss: 1.1713  
 200/1149 [====>...] - ETA: 2s - loss: 1.1959  
 985/1149 [=====>...] - ETA: 0s - loss: 0.1337  
 585/1149 [=====>...] - ETA: 0s - loss: 0.1496  
 240/1148 [=====>...] - ETA: 0s - loss: 0.1065  
 1020/1149 [=====>...] - ETA: 0s - loss: 0.1132  
 200/1149 [====>...] - ETA: 0s - loss: 0.2187  
 980/1149 [=====>...] - ETA: 0s - loss: 1.1595  
 390/1149 [=====>...] - ETA: 0s - loss: 0.1190  
 310/1149 [=====>...] - ETA: 1s - loss: 1.1164  
 1080/1149 [=====>...] - ETA: 0s - loss: 0.1334  
 670/1149 [=====>...] - ETA: 0s - loss: 0.1457  
 440/1148 [=====>...] - ETA: 0s - loss: 0.1227  
 1105/1149 [=====>...] - ETA: 0s - loss: 0.1141  
 1149/1149 [=====] - 1s 816us/step - loss: 1.1537  
 420/1149 [=====>...] - ETA: 0s - loss: 0.2313Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.2773  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1159  
 1149/1149 [=====] - 1s 528us/step - loss: 0.1297  
 Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.0766  
 1149/1149 [=====] - 1s 509us/step - loss: 0.1117  
 Epoch 16/20

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5/1149 [...] - ETA: 0s - loss: 0.2046
430/1149 [=====>...] - ETA: 1s - loss: 1.2296
765/1149 [=====>...] - ETA: 0s - loss: 0.1380
640/1148 [=====>...] - ETA: 0s - loss: 0.1376
620/1149 [=====>...] - ETA: 0s - loss: 0.2563
570/1149 [=====>...] - ETA: 0s - loss: 0.1182
180/1149 [====>...] - ETA: 0s - loss: 0.7068
115/1149 [==>...] - ETA: 0s - loss: 0.1288
110/1149 [=>...] - ETA: 0s - loss: 0.0653
540/1149 [=====>...] - ETA: 0s - loss: 1.1602
855/1149 [=====>...] - ETA: 0s - loss: 0.1364
800/1148 [=====>...] - ETA: 0s - loss: 0.1365
830/1149 [=====>...] - ETA: 0s - loss: 0.2394
665/1149 [=====>...] - ETA: 0s - loss: 0.1130
330/1149 [=====>...] - ETA: 0s - loss: 0.8044
205/1149 [====>...] - ETA: 0s - loss: 0.1260
195/1149 [====>...] - ETA: 0s - loss: 0.0770
650/1149 [=====>...] - ETA: 0s - loss: 1.1155
960/1149 [=====>...] - ETA: 0s - loss: 0.1306
1010/1148 [=====>...] - ETA: 0s - loss: 0.1315
755/1149 [=====>...] - ETA: 0s - loss: 0.1102
1040/1149 [=====>...] - ETA: 0s - loss: 0.2260
530/1149 [=====>...] - ETA: 0s - loss: 0.7498
305/1149 [=====>...] - ETA: 0s - loss: 0.1279
290/1149 [=====>...] - ETA: 0s - loss: 0.0835
770/1149 [=====>...] - ETA: 0s - loss: 1.2293
1060/1149 [=====>...] - ETA: 0s - loss: 0.1290
1148/1148 [=====] - 0s 260us/step - loss: 0.1287

1149/1149 [=====] - 0s 255us/step - loss: 0.2231
Epoch 5/5

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10/1149 [...] - ETA: 0s - loss: 0.1174Epoch 4/10

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10/1148 [...] - ETA: 0s - loss: 0.0660
850/1149 [=====>...] - ETA: 0s - loss: 0.1175
740/1149 [=====>...] - ETA: 0s - loss: 0.8111
415/1149 [=====>...] - ETA: 0s - loss: 0.1263
385/1149 [=====>...] - ETA: 0s - loss: 0.0923
1149/1149 [=====] - 1s 534us/step - loss: 0.1259
Epoch 12/20

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5/1149 [...] - ETA: 0s - loss: 0.1813
890/1149 [=====>...] - ETA: 0s - loss: 1.1729
200/1149 [====>...] - ETA: 0s - loss: 0.2009
190/1148 [====>...] - ETA: 0s - loss: 0.1097
935/1149 [=====>...] - ETA: 0s - loss: 0.1141

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940/1149 [=====>...] - ETA: 0s - loss: 0.7912
510/1149 [=====>...] - ETA: 0s - loss: 0.1253
465/1149 [=====>...] - ETA: 0s - loss: 0.0927
105/1149 [=>...] - ETA: 0s - loss: 0.1350
1000/1149 [=====>...] - ETA: 0s - loss: 1.1562
400/1149 [=====>...] - ETA: 0s - loss: 0.1894
390/1148 [=====>...] - ETA: 0s - loss: 0.1148
1025/1149 [=====>...] - ETA: 0s - loss: 0.1224
1020/1149 [=====>...] - ETA: 0s - loss: 0.7756
605/1149 [=====>...] - ETA: 0s - loss: 0.1202
550/1149 [=====>...] - ETA: 0s - loss: 0.0960
205/1149 [=====>...] - ETA: 0s - loss: 0.1222
580/1148 [=====>...] - ETA: 0s - loss: 0.1218
620/1149 [=====>...] - ETA: 0s - loss: 0.1740
1130/1149 [=====>.] - ETA: 0s - loss: 1.1477
1149/1149 [=====] - 1s 848us/step - loss: 1.1512
Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.8910
1120/1149 [=====>.] - ETA: 0s - loss: 0.1188
1149/1149 [=====] - 0s 322us/step - loss: 0.7164

715/1149 [=====>...] - ETA: 0s - loss: 0.1159Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.1715
1149/1149 [=====] - 1s 558us/step - loss: 0.1179

655/1149 [=====>...] - ETA: 0s - loss: 0.0982Epoch 17/20

5/1149 [...] - ETA: 1s - loss: 0.1732
310/1149 [=====>...] - ETA: 0s - loss: 0.1209
790/1149 [=====>...] - ETA: 0s - loss: 0.1790
780/1148 [=====>...] - ETA: 0s - loss: 0.1186
200/1149 [=====>...] - ETA: 0s - loss: 1.2454
805/1149 [=====>...] - ETA: 0s - loss: 0.1208
230/1149 [=====>...] - ETA: 0s - loss: 0.2886
730/1149 [=====>...] - ETA: 0s - loss: 0.0962
90/1149 [=>...] - ETA: 0s - loss: 0.1107
400/1149 [=====>...] - ETA: 0s - loss: 0.1135
930/1148 [=====>...] - ETA: 0s - loss: 0.1157
990/1149 [=====>...] - ETA: 0s - loss: 0.1717
440/1149 [=====>...] - ETA: 0s - loss: 1.0203
895/1149 [=====>...] - ETA: 0s - loss: 0.1240
440/1149 [=====>...] - ETA: 0s - loss: 0.2959
830/1149 [=====>...] - ETA: 0s - loss: 0.0990
165/1149 [=====>...] - ETA: 0s - loss: 0.0926
485/1149 [=====>...] - ETA: 0s - loss: 0.1065
1149/1149 [=====] - 0s 268us/step - loss: 0.1646

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1110/1148 [=====>.] - ETA: 0s - loss: 0.1140
1148/1148 [=====] - 0s 280us/step - loss: 0.1131

640/1149 [=====>...] - ETA: 0s - loss: 0.9621Epoch 5/10

10/1148 [...] - ETA: 0s - loss: 0.1266
990/1149 [=====>...] - ETA: 0s - loss: 0.1225
670/1149 [=====>...] - ETA: 0s - loss: 0.2526
910/1149 [=====>...] - ETA: 0s - loss: 0.1043
265/1149 [=====>...] - ETA: 0s - loss: 0.0856
575/1149 [=====>...] - ETA: 0s - loss: 0.1041
850/1149 [=====>...] - ETA: 0s - loss: 0.8683
200/1148 [=====>...] - ETA: 0s - loss: 0.1396
1095/1149 [=====>..] - ETA: 0s - loss: 0.1287
850/1149 [=====>...] - ETA: 0s - loss: 0.2499
1010/1149 [=====>...] - ETA: 0s - loss: 0.1106
380/1149 [=====>...] - ETA: 0s - loss: 0.0868
685/1149 [=====>...] - ETA: 0s - loss: 0.1192
1149/1149 [=====] - 1s 521us/step - loss: 0.1267
Epoch 12/20

5/1149 [...] - ETA: 0s - loss: 0.0034
1050/1149 [=====>...] - ETA: 0s - loss: 0.8360
400/1148 [=====>...] - ETA: 0s - loss: 0.1276
1040/1149 [=====>...] - ETA: 0s - loss: 0.2285
1149/1149 [=====] - 0s 249us/step - loss: 0.8047
Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.7805
1110/1149 [=====>..] - ETA: 0s - loss: 0.1127
475/1149 [=====>...] - ETA: 0s - loss: 0.0822
795/1149 [=====>...] - ETA: 0s - loss: 0.1179
105/1149 [=>...] - ETA: 0s - loss: 0.2004
1149/1149 [=====] - 1s 565us/step - loss: 0.1126

610/1148 [=====>...] - ETA: 0s - loss: 0.1150Epoch 17/20

5/1149 [...] - ETA: 0s - loss: 0.1401
1149/1149 [=====] - 0s 258us/step - loss: 0.2255
Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.0761
210/1149 [=====>...] - ETA: 0s - loss: 0.3887
565/1149 [=====>...] - ETA: 0s - loss: 0.0943
895/1149 [=====>...] - ETA: 0s - loss: 0.1192
180/1149 [=====>...] - ETA: 0s - loss: 0.1567
780/1148 [=====>...] - ETA: 0s - loss: 0.1128

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105/1149 [=>...] - ETA: 0s - loss: 0.1389  
 180/1149 [===>...] - ETA: 0s - loss: 0.1439  
 430/1149 [=====>...] - ETA: 0s - loss: 0.3882  
 665/1149 [=====>...] - ETA: 0s - loss: 0.0947  
 990/1149 [=====>...] - ETA: 0s - loss: 0.1231  
 270/1149 [=====>...] - ETA: 0s - loss: 0.1467  
 980/1148 [=====>...] - ETA: 0s - loss: 0.1076  
 190/1149 [===>...] - ETA: 0s - loss: 0.1367  
 360/1149 [=====>...] - ETA: 0s - loss: 0.1640  
 630/1149 [=====>...] - ETA: 0s - loss: 0.3785  
 755/1149 [=====>...] - ETA: 0s - loss: 0.1010  
 1080/1149 [=====>...] - ETA: 0s - loss: 0.1226  
 1148/1148 [=====] - 0s 267us/step - loss: 0.1058

365/1149 [=====>...] - ETA: 0s - loss: 0.1320Epoch 6/10

10/1148 [...] - ETA: 0s - loss: 0.2158  
 285/1149 [=====>...] - ETA: 0s - loss: 0.1172  
 550/1149 [=====>...] - ETA: 0s - loss: 0.1504  
 1149/1149 [=====] - 1s 535us/step - loss: 0.1250  
 Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.4398  
 810/1149 [=====>...] - ETA: 0s - loss: 0.4018  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1037  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1308  
 200/1148 [===>...] - ETA: 0s - loss: 0.1103  
 380/1149 [=====>...] - ETA: 0s - loss: 0.1178  
 740/1149 [=====>...] - ETA: 0s - loss: 0.1385  
 95/1149 [=>...] - ETA: 0s - loss: 0.1299  
 945/1149 [=====>...] - ETA: 0s - loss: 0.1068  
 980/1149 [=====>...] - ETA: 0s - loss: 0.3672  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1273  
 400/1148 [=====>...] - ETA: 0s - loss: 0.1095  
 485/1149 [=====>...] - ETA: 0s - loss: 0.1057  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1400  
 190/1149 [===>...] - ETA: 0s - loss: 0.1336  
 1055/1149 [=====>...] - ETA: 0s - loss: 0.1090  
 1110/1149 [=====>...] - ETA: 0s - loss: 0.3444  
 665/1149 [=====>...] - ETA: 0s - loss: 0.1240  
 1149/1149 [=====] - 0s 288us/step - loss: 0.3361  
 Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.1277  
 600/1148 [=====>...] - ETA: 0s - loss: 0.1075  
 590/1149 [=====>...] - ETA: 0s - loss: 0.1102  
 1149/1149 [=====] - 0s 273us/step - loss: 0.1356  
 Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.0538  
1149/1149 [=====] - 1s 539us/step - loss: 0.1154  
Epoch 18/20

5/1149 [...] - ETA: 0s - loss: 0.0373  
295/1149 [=====>...] - ETA: 0s - loss: 0.1416  
770/1149 [=====>...] - ETA: 0s - loss: 0.1191  
800/1148 [=====>...] - ETA: 0s - loss: 0.1043  
170/1149 [=====>...] - ETA: 0s - loss: 0.1813  
690/1149 [=====>...] - ETA: 0s - loss: 0.1087  
180/1149 [=====>...] - ETA: 0s - loss: 0.1038  
400/1149 [=====>...] - ETA: 0s - loss: 0.1340  
115/1149 [=====>...] - ETA: 0s - loss: 0.1073  
875/1149 [=====>...] - ETA: 0s - loss: 0.1223  
380/1149 [=====>...] - ETA: 0s - loss: 0.1826  
880/1148 [=====>...] - ETA: 0s - loss: 0.1036  
805/1149 [=====>...] - ETA: 0s - loss: 0.1060  
340/1149 [=====>...] - ETA: 0s - loss: 0.1045  
210/1149 [=====>...] - ETA: 0s - loss: 0.1110  
500/1149 [=====>...] - ETA: 0s - loss: 0.1353  
980/1149 [=====>...] - ETA: 0s - loss: 0.1264  
580/1149 [=====>...] - ETA: 0s - loss: 0.1681  
1010/1148 [=====>...] - ETA: 0s - loss: 0.1033  
905/1149 [=====>...] - ETA: 0s - loss: 0.1052  
510/1149 [=====>...] - ETA: 0s - loss: 0.1000  
300/1149 [=====>...] - ETA: 0s - loss: 0.1169  
595/1149 [=====>...] - ETA: 0s - loss: 0.1367  
1148/1148 [=====] - 0s 303us/step - loss: 0.1018  
Epoch 7/10

10/1148 [...] - ETA: 0s - loss: 0.0506  
1075/1149 [=====>...] - ETA: 0s - loss: 0.1269  
780/1149 [=====>...] - ETA: 0s - loss: 0.1635  
990/1149 [=====>...] - ETA: 0s - loss: 0.1059  
690/1149 [=====>...] - ETA: 0s - loss: 0.1059  
375/1149 [=====>...] - ETA: 0s - loss: 0.1099  
680/1149 [=====>...] - ETA: 0s - loss: 0.1270  
1149/1149 [=====] - 1s 529us/step - loss: 0.1255

280/1148 [=====>...] - ETA: 0s - loss: 0.0921Epoch 13/20

5/1149 [...] - ETA: 1s - loss: 0.0203  
960/1149 [=====>...] - ETA: 0s - loss: 0.1759  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1083  
890/1149 [=====>...] - ETA: 0s - loss: 0.1125  
760/1149 [=====>...] - ETA: 0s - loss: 0.1231  
445/1149 [=====>...] - ETA: 0s - loss: 0.1082

550/1148 [=====>...] - ETA: 0s - loss: 0.0987  
 100/1149 [=>...] - ETA: 0s - loss: 0.1699  
 1149/1149 [=====] - 0s 266us/step - loss: 0.1698  
 Epoch 5/10  
  
 10/1149 [...] - ETA: 0s - loss: 0.0642  
 1149/1149 [=====] - 1s 542us/step - loss: 0.1102  
 Epoch 18/20  
  
 5/1149 [...] - ETA: 0s - loss: 0.1120  
 1070/1149 [=====>...] - ETA: 0s - loss: 0.1282Epoch 1/10  
  
 10/1149 [...] - ETA: 46s - loss: 0.6667  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1212  
 540/1149 [=====>...] - ETA: 0s - loss: 0.1286  
 1149/1149 [=====] - 0s 293us/step - loss: 0.1268  
 Epoch 6/10  
  
 10/1149 [...] - ETA: 0s - loss: 0.0324  
 730/1148 [=====>...] - ETA: 0s - loss: 0.0972  
 195/1149 [====>...] - ETA: 0s - loss: 0.1544  
 200/1149 [====>...] - ETA: 0s - loss: 0.1835  
 100/1149 [=>...] - ETA: 0s - loss: 0.0986  
 140/1149 [==>...] - ETA: 3s - loss: 0.9643  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1313  
 635/1149 [=====>...] - ETA: 0s - loss: 0.1278  
 930/1148 [=====>...] - ETA: 0s - loss: 0.0985  
 190/1149 [===>...] - ETA: 0s - loss: 0.0947  
 290/1149 [=====>...] - ETA: 0s - loss: 0.1380  
 400/1149 [=====>...] - ETA: 0s - loss: 0.1600  
 190/1149 [===>...] - ETA: 0s - loss: 0.0970  
 280/1149 [=====>...] - ETA: 1s - loss: 0.9212  
 1035/1149 [=====>...] - ETA: 0s - loss: 0.1277  
 740/1149 [=====>...] - ETA: 0s - loss: 0.1258  
 1120/1148 [=====>.] - ETA: 0s - loss: 0.0993  
 350/1149 [=====>...] - ETA: 0s - loss: 0.0999  
 380/1149 [=====>...] - ETA: 0s - loss: 0.1288  
 1148/1148 [=====] - 0s 233us/step - loss: 0.0984  
  
 590/1149 [=====>...] - ETA: 0s - loss: 0.1478Epoch 8/10  
  
 10/1148 [...] - ETA: 0s - loss: 0.1783  
 285/1149 [=====>...] - ETA: 0s - loss: 0.1167  
 400/1149 [=====>...] - ETA: 1s - loss: 1.1090  
 1125/1149 [=====>.] - ETA: 0s - loss: 0.1238  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1212  
 530/1149 [=====>...] - ETA: 0s - loss: 0.1305  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1214



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1149/1149 [=====] - 1s 554us/step - loss: 0.1237

800/1149 [=====>...] - ETA: 0s - loss: 0.1434
190/1148 [==>...] - ETA: 0s - loss: 0.1052Epoch 14/20

    5/1149 [...] - ETA: 0s - loss: 0.0260
385/1149 [=====>...] - ETA: 0s - loss: 0.1153
960/1149 [=====>...] - ETA: 0s - loss: 0.1152
500/1149 [=====>...] - ETA: 0s - loss: 1.1070
720/1149 [=====>...] - ETA: 0s - loss: 0.1213
580/1149 [=====>...] - ETA: 0s - loss: 0.1244
980/1149 [=====>...] - ETA: 0s - loss: 0.1369
380/1148 [=====>...] - ETA: 0s - loss: 0.0987
110/1149 [=>...] - ETA: 0s - loss: 0.0999
480/1149 [=====>...] - ETA: 0s - loss: 0.1069
1035/1149 [=====>...] - ETA: 0s - loss: 0.1175
1149/1149 [=====] - 0s 266us/step - loss: 0.1394

940/1149 [=====>...] - ETA: 0s - loss: 0.1275
600/1149 [=====>...] - ETA: 0s - loss: 1.1445Epoch 6/10

    10/1149 [...] - ETA: 0s - loss: 0.1202
670/1149 [=====>...] - ETA: 0s - loss: 0.1231
570/1148 [=====>...] - ETA: 0s - loss: 0.0933
215/1149 [====>...] - ETA: 0s - loss: 0.1003
580/1149 [=====>...] - ETA: 0s - loss: 0.1084
1120/1149 [=====>.] - ETA: 0s - loss: 0.1178
1149/1149 [=====] - 0s 274us/step - loss: 0.1244

740/1149 [=====>...] - ETA: 0s - loss: 1.1962
200/1149 [====>...] - ETA: 0s - loss: 0.1286
1149/1149 [=====] - 1s 553us/step - loss: 0.1157

780/1149 [=====>...] - ETA: 0s - loss: 0.1237Epoch 7/10

    10/1149 [...] - ETA: 0s - loss: 0.1052Epoch 19/20

    5/1149 [...] - ETA: 0s - loss: 0.1313
305/1149 [=====>...] - ETA: 0s - loss: 0.1081
770/1148 [=====>...] - ETA: 0s - loss: 0.0908
670/1149 [=====>...] - ETA: 0s - loss: 0.1062
370/1149 [=====>...] - ETA: 0s - loss: 0.1371
840/1149 [=====>...] - ETA: 0s - loss: 1.1637
895/1149 [=====>...] - ETA: 0s - loss: 0.1215
125/1149 [==>...] - ETA: 0s - loss: 0.0856
190/1149 [==>...] - ETA: 0s - loss: 0.1319
950/1148 [=====>...] - ETA: 0s - loss: 0.0907
405/1149 [=====>...] - ETA: 0s - loss: 0.1136

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795/1149 [=====>...] - ETA: 0s - loss: 0.1094
235/1149 [=====>...] - ETA: 0s - loss: 0.1217
1000/1149 [=====>...] - ETA: 0s - loss: 0.1200
540/1149 [=====>...] - ETA: 0s - loss: 0.1425
950/1149 [=====>...] - ETA: 0s - loss: 1.1606
510/1149 [=====>...] - ETA: 0s - loss: 0.1070
1130/1148 [=====>.] - ETA: 0s - loss: 0.0916
320/1149 [=====>...] - ETA: 0s - loss: 0.1218
915/1149 [=====>...] - ETA: 0s - loss: 0.1105
1148/1148 [=====] - 0s 277us/step - loss: 0.0959
Epoch 9/10

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10/1148 [...] - ETA: 0s - loss: 0.0884
1149/1149 [=====] - 1s 778us/step - loss: 1.0913
Epoch 2/10

```

```

10/1149 [...] - ETA: 0s - loss: 2.1473
1085/1149 [=====>..] - ETA: 0s - loss: 0.1231
335/1149 [=====>...] - ETA: 0s - loss: 0.1117
680/1149 [=====>...] - ETA: 0s - loss: 0.1357
595/1149 [=====>...] - ETA: 0s - loss: 0.1064
460/1149 [=====>...] - ETA: 0s - loss: 0.1206
1015/1149 [=====>...] - ETA: 0s - loss: 0.1131
180/1148 [====>...] - ETA: 0s - loss: 0.0847
210/1149 [====>...] - ETA: 0s - loss: 0.7655
1135/1149 [=====>.] - ETA: 0s - loss: 0.1234
760/1149 [=====>...] - ETA: 0s - loss: 0.1346
380/1149 [=====>...] - ETA: 0s - loss: 0.1073
635/1149 [=====>...] - ETA: 0s - loss: 0.1045
570/1149 [=====>...] - ETA: 0s - loss: 0.1158
1149/1149 [=====] - 1s 554us/step - loss: 0.1228

1055/1149 [=====>...] - ETA: 0s - loss: 0.1114
290/1148 [=====>...] - ETA: 0s - loss: 0.0825Epoch 14/20

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```

5/1149 [...] - ETA: 0s - loss: 0.0189
410/1149 [=====>...] - ETA: 0s - loss: 0.7892
930/1149 [=====>...] - ETA: 0s - loss: 0.1358
455/1149 [=====>...] - ETA: 0s - loss: 0.1086
725/1149 [=====>...] - ETA: 0s - loss: 0.1028
770/1149 [=====>...] - ETA: 0s - loss: 0.1294
1145/1149 [=====>.] - ETA: 0s - loss: 0.1105
480/1148 [=====>...] - ETA: 0s - loss: 0.0855
90/1149 [=>...] - ETA: 0s - loss: 0.1272
1149/1149 [=====] - 1s 541us/step - loss: 0.1101
Epoch 19/20

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5/1149 [...] - ETA: 0s - loss: 0.1258

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580/1149 [=====>...] - ETA: 0s - loss: 0.7731  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1303  
550/1149 [=====>...] - ETA: 0s - loss: 0.1125  
825/1149 [=====>...] - ETA: 0s - loss: 0.1022  
940/1149 [=====>...] - ETA: 0s - loss: 0.1327  
1149/1149 [=====] - 0s 326us/step - loss: 0.1305  
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.1248  
660/1148 [=====>...] - ETA: 0s - loss: 0.1004  
170/1149 [==>...] - ETA: 0s - loss: 0.1093  
80/1149 [=>...] - ETA: 0s - loss: 0.0994  
760/1149 [=====>...] - ETA: 0s - loss: 0.7048  
645/1149 [=====>...] - ETA: 0s - loss: 0.1172  
915/1149 [=====>...] - ETA: 0s - loss: 0.1175  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1235  
210/1149 [====>...] - ETA: 0s - loss: 0.1127  
850/1148 [=====>...] - ETA: 0s - loss: 0.0946  
1149/1149 [=====] - 0s 327us/step - loss: 0.1225

260/1149 [=====>...] - ETA: 0s - loss: 0.1084Epoch 8/10

10/1149 [...] - ETA: 0s - loss: 0.2894  
175/1149 [==>...] - ETA: 0s - loss: 0.0914  
930/1149 [=====>...] - ETA: 0s - loss: 0.6384  
735/1149 [=====>...] - ETA: 0s - loss: 0.1227  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1188  
390/1149 [=====>...] - ETA: 0s - loss: 0.1218  
355/1149 [=====>...] - ETA: 0s - loss: 0.1120  
1040/1148 [=====>...] - ETA: 0s - loss: 0.0943  
200/1149 [====>...] - ETA: 0s - loss: 0.1145  
275/1149 [=====>...] - ETA: 0s - loss: 0.1026  
1148/1148 [=====] - 0s 295us/step - loss: 0.0945  
Epoch 10/10

10/1148 [...] - ETA: 0s - loss: 0.1286  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1176  
825/1149 [=====>...] - ETA: 0s - loss: 0.1194  
1040/1149 [=====>...] - ETA: 0s - loss: 0.6093  
570/1149 [=====>...] - ETA: 0s - loss: 0.1161  
445/1149 [=====>...] - ETA: 0s - loss: 0.1075  
420/1149 [=====>...] - ETA: 0s - loss: 0.1231  
390/1149 [=====>...] - ETA: 0s - loss: 0.0971  
1149/1149 [=====] - 1s 564us/step - loss: 0.1219  
Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.0911  
220/1148 [=====>...] - ETA: 0s - loss: 0.1095

1149/1149 [=====] - 0s 310us/step - loss: 0.5855  
Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.2766  
925/1149 [=====>...] - ETA: 0s - loss: 0.1199  
730/1149 [=====>...] - ETA: 0s - loss: 0.1102  
540/1149 [=====>...] - ETA: 0s - loss: 0.1126  
600/1149 [=====>...] - ETA: 0s - loss: 0.1215  
485/1149 [=====>...] - ETA: 0s - loss: 0.0991  
105/1149 [=>...] - ETA: 0s - loss: 0.1082  
350/1148 [=====>...] - ETA: 0s - loss: 0.0973  
230/1149 [=====>...] - ETA: 0s - loss: 0.2479  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1163  
940/1149 [=====>...] - ETA: 0s - loss: 0.1242  
640/1149 [=====>...] - ETA: 0s - loss: 0.1194  
740/1149 [=====>...] - ETA: 0s - loss: 0.1195  
570/1149 [=====>...] - ETA: 0s - loss: 0.1042  
195/1149 [=====>...] - ETA: 0s - loss: 0.1119  
490/1148 [=====>...] - ETA: 0s - loss: 0.0938  
460/1149 [=====>...] - ETA: 0s - loss: 0.2042  
1105/1149 [=====>...] - ETA: 0s - loss: 0.1154  
1149/1149 [=====] - 0s 266us/step - loss: 0.1249  
Epoch 8/10

10/1149 [...] - ETA: 0s - loss: 0.1307  
735/1149 [=====>...] - ETA: 0s - loss: 0.1220  
860/1149 [=====>...] - ETA: 0s - loss: 0.1156  
650/1149 [=====>...] - ETA: 0s - loss: 0.1085  
1149/1149 [=====] - 1s 562us/step - loss: 0.1137  
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.0865  
285/1149 [=====>...] - ETA: 0s - loss: 0.1032  
660/1148 [=====>...] - ETA: 0s - loss: 0.0957  
650/1149 [=====>...] - ETA: 0s - loss: 0.1995  
200/1149 [=====>...] - ETA: 0s - loss: 0.1046  
840/1149 [=====>...] - ETA: 0s - loss: 0.1209  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1148  
725/1149 [=====>...] - ETA: 0s - loss: 0.1128  
365/1149 [=====>...] - ETA: 0s - loss: 0.1063  
105/1149 [=>...] - ETA: 0s - loss: 0.1277  
1149/1149 [=====] - 0s 288us/step - loss: 0.1190  
Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.2497  
890/1148 [=====>...] - ETA: 0s - loss: 0.0932  
820/1149 [=====>...] - ETA: 0s - loss: 0.1916  
390/1149 [=====>...] - ETA: 0s - loss: 0.1263

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925/1149 [=====>...] - ETA: 0s - loss: 0.1279
795/1149 [=====>...] - ETA: 0s - loss: 0.1095
440/1149 [=====>...] - ETA: 0s - loss: 0.1155
200/1149 [====>...] - ETA: 0s - loss: 0.1084
220/1149 [====>...] - ETA: 0s - loss: 0.0982
1090/1148 [=====>..] - ETA: 0s - loss: 0.0934
1000/1149 [=====>...] - ETA: 0s - loss: 0.1870
1148/1148 [=====] - 0s 285us/step - loss: 0.0928

580/1149 [=====>...] - ETA: 0s - loss: 0.1187
1025/1149 [=====>...] - ETA: 0s - loss: 0.1261
885/1149 [=====>...] - ETA: 0s - loss: 0.1071
540/1149 [=====>...] - ETA: 0s - loss: 0.1131
295/1149 [=====>...] - ETA: 0s - loss: 0.1220
1149/1149 [=====] - 0s 262us/step - loss: 0.1813

420/1149 [=====>...] - ETA: 0s - loss: 0.1184Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.1374
780/1149 [=====>...] - ETA: 0s - loss: 0.1227
1120/1149 [=====>..] - ETA: 0s - loss: 0.1220
985/1149 [=====>...] - ETA: 0s - loss: 0.1100
1149/1149 [=====] - 1s 555us/step - loss: 0.1215

660/1149 [=====>...] - ETA: 0s - loss: 0.1106Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.0565
395/1149 [=====>...] - ETA: 0s - loss: 0.1142
640/1149 [=====>...] - ETA: 0s - loss: 0.1060
180/1149 [===>...] - ETA: 0s - loss: 0.1501
970/1149 [=====>...] - ETA: 0s - loss: 0.1195
1085/1149 [=====>..] - ETA: 0s - loss: 0.1074
100/1149 [=>...] - ETA: 0s - loss: 0.1650
760/1149 [=====>...] - ETA: 0s - loss: 0.1344
500/1149 [=====>...] - ETA: 0s - loss: 0.1204
420/1149 [=====>...] - ETA: 0s - loss: 0.1518
830/1149 [=====>...] - ETA: 0s - loss: 0.1102
1149/1149 [=====] - 1s 575us/step - loss: 0.1080
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.0287
1149/1149 [=====] - 0s 275us/step - loss: 0.1209
Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.0508
190/1149 [===>...] - ETA: 0s - loss: 0.1360
840/1149 [=====>...] - ETA: 0s - loss: 0.1329
595/1149 [=====>...] - ETA: 0s - loss: 0.1293

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620/1149 [=====>...] - ETA: 0s - loss: 0.1549
990/1149 [=====>...] - ETA: 0s - loss: 0.1165
125/1149 [==>...] - ETA: 0s - loss: 0.1050
200/1149 [====>...] - ETA: 0s - loss: 0.1104
915/1149 [=====>...] - ETA: 0s - loss: 0.1302
285/1149 [=====>...] - ETA: 0s - loss: 0.1172
685/1149 [=====>...] - ETA: 0s - loss: 0.1220
1149/1149 [=====] - 0s 268us/step - loss: 0.1186
Epoch 10/10

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10/1149 [...] - ETA: 0s - loss: 0.0667
790/1149 [=====>...] - ETA: 0s - loss: 0.1500
235/1149 [=====>...] - ETA: 0s - loss: 0.0954
390/1149 [=====>...] - ETA: 0s - loss: 0.1292
380/1149 [=====>...] - ETA: 0s - loss: 0.1351
1015/1149 [=====>...] - ETA: 0s - loss: 0.1265
780/1149 [=====>...] - ETA: 0s - loss: 0.1203
190/1149 [==>...] - ETA: 0s - loss: 0.1124
920/1149 [=====>...] - ETA: 0s - loss: 0.1492
330/1149 [=====>...] - ETA: 0s - loss: 0.0911
560/1149 [=====>...] - ETA: 0s - loss: 0.1298
485/1149 [=====>...] - ETA: 0s - loss: 0.1397
1115/1149 [=====>.] - ETA: 0s - loss: 0.1236
890/1149 [=====>...] - ETA: 0s - loss: 0.1153
380/1149 [=====>...] - ETA: 0s - loss: 0.0966
1070/1149 [=====>...] - ETA: 0s - loss: 0.1579
1149/1149 [=====] - 1s 555us/step - loss: 0.1215
Epoch 16/20

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5/1149 [...] - ETA: 0s - loss: 0.0894
415/1149 [=====>...] - ETA: 0s - loss: 0.0874
1149/1149 [=====] - 0s 292us/step - loss: 0.1571
Epoch 5/10

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10/1149 [...] - ETA: 0s - loss: 0.0372
750/1149 [=====>...] - ETA: 0s - loss: 0.1231
575/1149 [=====>...] - ETA: 0s - loss: 0.1329
980/1149 [=====>...] - ETA: 0s - loss: 0.1165
520/1149 [=====>...] - ETA: 0s - loss: 0.1020
95/1149 [=>...] - ETA: 0s - loss: 0.0987
500/1149 [=====>...] - ETA: 0s - loss: 0.0979
240/1149 [=====>...] - ETA: 0s - loss: 0.1240
960/1149 [=====>...] - ETA: 0s - loss: 0.1206
680/1149 [=====>...] - ETA: 0s - loss: 0.1273
1070/1149 [=====>...] - ETA: 0s - loss: 0.1132
720/1149 [=====>...] - ETA: 0s - loss: 0.1159
195/1149 [====>...] - ETA: 0s - loss: 0.0914
570/1149 [=====>...] - ETA: 0s - loss: 0.0922

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480/1149 [=====>...] - ETA: 0s - loss: 0.1235  
1149/1149 [=====] - 0s 272us/step - loss: 0.1176  
Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.0718  
1149/1149 [=====] - 1s 542us/step - loss: 0.1118

760/1149 [=====>...] - ETA: 0s - loss: 0.1245  
880/1149 [=====>...] - ETA: 0s - loss: 0.1178  
290/1149 [=====>...] - ETA: 0s - loss: 0.0931  
675/1149 [=====>...] - ETA: 0s - loss: 0.1031  
610/1149 [=====>...] - ETA: 0s - loss: 0.1349  
160/1149 [====>...] - ETA: 0s - loss: 0.1673  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1145  
820/1149 [=====>...] - ETA: 0s - loss: 0.1222  
1149/1149 [=====] - 0s 281us/step - loss: 0.1175

390/1149 [=====>...] - ETA: 0s - loss: 0.0930  
780/1149 [=====>...] - ETA: 0s - loss: 0.1040  
750/1149 [=====>...] - ETA: 0s - loss: 0.1402  
330/1149 [=====>...] - ETA: 0s - loss: 0.1348  
890/1149 [=====>...] - ETA: 0s - loss: 0.1222  
485/1149 [=====>...] - ETA: 0s - loss: 0.0957  
890/1149 [=====>...] - ETA: 0s - loss: 0.1066  
950/1149 [=====>...] - ETA: 0s - loss: 0.1478  
590/1149 [=====>...] - ETA: 0s - loss: 0.1213  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1256  
595/1149 [=====>...] - ETA: 0s - loss: 0.1180  
990/1149 [=====>...] - ETA: 0s - loss: 0.1047  
1149/1149 [=====] - 0s 261us/step - loss: 0.1492  
Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.0553  
840/1149 [=====>...] - ETA: 0s - loss: 0.1194  
1130/1149 [=====>..] - ETA: 0s - loss: 0.1207  
1149/1149 [=====] - 1s 549us/step - loss: 0.1202  
Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.0275  
685/1149 [=====>...] - ETA: 0s - loss: 0.1199  
1085/1149 [=====>..] - ETA: 0s - loss: 0.1057  
200/1149 [====>...] - ETA: 0s - loss: 0.1418  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1149  
1149/1149 [=====] - 1s 518us/step - loss: 0.1081

110/1149 [=>...] - ETA: 0s - loss: 0.1368  
775/1149 [=====>...] - ETA: 0s - loss: 0.1213  
440/1149 [=====>...] - ETA: 0s - loss: 0.1457

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1149/1149 [=====] - 0s 257us/step - loss: 0.1151

210/1149 [====>...] - ETA: 0s - loss: 0.1137
870/1149 [=====>...] - ETA: 0s - loss: 0.1173
620/1149 [=====>...] - ETA: 0s - loss: 0.1561
305/1149 [=====>...] - ETA: 0s - loss: 0.1118
970/1149 [=====>...] - ETA: 0s - loss: 0.1115
850/1149 [=====>...] - ETA: 0s - loss: 0.1546
415/1149 [=====>...] - ETA: 0s - loss: 0.1133
1085/1149 [=====>...] - ETA: 0s - loss: 0.1212
1050/1149 [=====>...] - ETA: 0s - loss: 0.1457Epoch 1/10

10/1149 [...] - ETA: 1:04 - loss: 0.3047
1149/1149 [=====] - 1s 519us/step - loss: 0.1209
Epoch 17/20

5/1149 [...] - ETA: 0s - loss: 0.1198
1149/1149 [=====] - 0s 262us/step - loss: 0.1429

490/1149 [=====>...] - ETA: 0s - loss: 0.1137Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.0285
120/1149 [==>...] - ETA: 5s - loss: 1.4736
90/1149 [=>...] - ETA: 0s - loss: 0.1203
585/1149 [=====>...] - ETA: 0s - loss: 0.1099
170/1149 [====>...] - ETA: 0s - loss: 0.1701
260/1149 [=====>...] - ETA: 2s - loss: 1.3627
165/1149 [====>...] - ETA: 0s - loss: 0.1165
340/1149 [=====>...] - ETA: 0s - loss: 0.1332
660/1149 [=====>...] - ETA: 0s - loss: 0.1124
390/1149 [=====>...] - ETA: 1s - loss: 1.1889
245/1149 [=====>...] - ETA: 0s - loss: 0.1192
530/1149 [=====>...] - ETA: 0s - loss: 0.1644
745/1149 [=====>...] - ETA: 0s - loss: 0.1134
550/1149 [=====>...] - ETA: 0s - loss: 1.1148
335/1149 [=====>...] - ETA: 0s - loss: 0.1070
750/1149 [=====>...] - ETA: 0s - loss: 0.1506
865/1149 [=====>...] - ETA: 0s - loss: 0.1123
780/1149 [=====>...] - ETA: 0s - loss: 1.1177
430/1149 [=====>...] - ETA: 0s - loss: 0.1108
940/1149 [=====>...] - ETA: 0s - loss: 0.1407
960/1149 [=====>...] - ETA: 0s - loss: 0.1164
980/1149 [=====>...] - ETA: 0s - loss: 1.1199
530/1149 [=====>...] - ETA: 0s - loss: 0.1234
1140/1149 [=====>...] - ETA: 0s - loss: 0.1371
1149/1149 [=====] - 0s 274us/step - loss: 0.1364

1070/1149 [=====>...] - ETA: 0s - loss: 0.1148Epoch 8/10

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10/1149 [...] - ETA: 0s - loss: 0.0857  
1149/1149 [=====] - 1s 794us/step - loss: 1.0836  
Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.2936  
625/1149 [=====>...] - ETA: 0s - loss: 0.1177Epoch 1/15

10/1149 [...] - ETA: 45s - loss: 1.3610  
1149/1149 [=====] - 1s 541us/step - loss: 0.1182  
Epoch 17/20

5/1149 [...] - ETA: 0s - loss: 0.1421  
220/1149 [====>...] - ETA: 0s - loss: 0.1102  
200/1149 [====>...] - ETA: 0s - loss: 0.7399  
720/1149 [=====>...] - ETA: 0s - loss: 0.1177  
170/1149 [====>...] - ETA: 2s - loss: 1.3405  
100/1149 [=>...] - ETA: 0s - loss: 0.1056  
420/1149 [=====>...] - ETA: 0s - loss: 0.1193  
380/1149 [=====>...] - ETA: 0s - loss: 0.7719  
825/1149 [=====>...] - ETA: 0s - loss: 0.1301  
300/1149 [=====>...] - ETA: 1s - loss: 1.1633  
195/1149 [====>...] - ETA: 0s - loss: 0.1225  
620/1149 [=====>...] - ETA: 0s - loss: 0.1209  
590/1149 [=====>...] - ETA: 0s - loss: 0.9085Epoch 1/15

10/1149 [...] - ETA: 44s - loss: 0.9621  
915/1149 [=====>...] - ETA: 0s - loss: 0.1275  
420/1149 [=====>...] - ETA: 0s - loss: 1.1943  
305/1149 [=====>...] - ETA: 0s - loss: 0.1161  
830/1149 [=====>...] - ETA: 0s - loss: 0.1203Epoch 1/15

10/1148 [...] - ETA: 44s - loss: 0.2636  
780/1149 [=====>...] - ETA: 0s - loss: 0.8692  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1254  
130/1149 [==>...] - ETA: 3s - loss: 1.0442  
670/1149 [=====>...] - ETA: 0s - loss: 1.1727  
390/1149 [=====>...] - ETA: 0s - loss: 0.1052  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1174  
160/1148 [====>...] - ETA: 2s - loss: 0.3471  
980/1149 [=====>...] - ETA: 0s - loss: 0.8228  
1149/1149 [=====] - 0s 255us/step - loss: 0.1329  
Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.1204  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1225  
880/1149 [=====>...] - ETA: 0s - loss: 1.1345  
1149/1149 [=====] - 0s 256us/step - loss: 0.7718

250/1149 [=====>...] - ETA: 1s - loss: 1.1163Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.2962

480/1149 [=====>...] - ETA: 0s - loss: 0.1054Epoch 1/15

10/1149 [...] - ETA: 51s - loss: 0.4216

1149/1149 [=====>...] - 1s 571us/step - loss: 0.1213

240/1148 [=====>...] - ETA: 1s - loss: 0.3481Epoch 18/20

5/1149 [...] - ETA: 0s - loss: 0.2032

190/1149 [=====>...] - ETA: 0s - loss: 0.1154

1030/1149 [=====>...] - ETA: 0s - loss: 1.1839

330/1149 [=====>...] - ETA: 1s - loss: 1.1928

160/1149 [=====>...] - ETA: 0s - loss: 0.4401

570/1149 [=====>...] - ETA: 0s - loss: 0.1093

140/1149 [=====>...] - ETA: 3s - loss: 1.2922

360/1148 [=====>...] - ETA: 1s - loss: 0.3304

80/1149 [=====>...] - ETA: 0s - loss: 0.2961

360/1149 [=====>...] - ETA: 0s - loss: 0.1179

440/1149 [=====>...] - ETA: 0s - loss: 1.1026

1130/1149 [=====>...] - ETA: 0s - loss: 1.1547

680/1149 [=====>...] - ETA: 0s - loss: 0.1071

340/1149 [=====>...] - ETA: 0s - loss: 0.4008

1149/1149 [=====>...] - 1s 679us/step - loss: 1.1449

165/1149 [=====>...] - ETA: 0s - loss: 0.2463Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 0.1742

290/1149 [=====>...] - ETA: 1s - loss: 1.0726

460/1148 [=====>...] - ETA: 0s - loss: 0.3379

520/1149 [=====>...] - ETA: 0s - loss: 0.1142

785/1149 [=====>...] - ETA: 0s - loss: 0.1094

510/1149 [=====>...] - ETA: 0s - loss: 0.3463

560/1149 [=====>...] - ETA: 0s - loss: 1.0263

250/1149 [=====>...] - ETA: 0s - loss: 0.1994

190/1149 [=====>...] - ETA: 0s - loss: 1.1310

610/1148 [=====>...] - ETA: 0s - loss: 0.3491

340/1149 [=====>...] - ETA: 1s - loss: 1.1137

730/1149 [=====>...] - ETA: 0s - loss: 0.1295

880/1149 [=====>...] - ETA: 0s - loss: 0.1138

690/1149 [=====>...] - ETA: 0s - loss: 0.3205

740/1149 [=====>...] - ETA: 0s - loss: 1.0620

340/1149 [=====>...] - ETA: 0s - loss: 0.1719

380/1149 [=====>...] - ETA: 0s - loss: 0.9688

760/1148 [=====>...] - ETA: 0s - loss: 0.3356

400/1149 [=====>...] - ETA: 1s - loss: 1.1501

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910/1149 [=====>...] - ETA: 0s - loss: 0.1247
965/1149 [=====>...] - ETA: 0s - loss: 0.1173
840/1149 [=====>...] - ETA: 0s - loss: 0.3060
910/1149 [=====>...] - ETA: 0s - loss: 1.0941
435/1149 [=====>...] - ETA: 0s - loss: 0.1590
580/1149 [=====>...] - ETA: 0s - loss: 0.8804
540/1149 [=====>...] - ETA: 0s - loss: 1.1496
880/1148 [=====>...] - ETA: 0s - loss: 0.3367
1090/1149 [=====>..] - ETA: 0s - loss: 0.1310
1080/1149 [=====>..] - ETA: 0s - loss: 0.1192
1149/1149 [=====] - 0s 283us/step - loss: 0.1302

1040/1149 [=====>...] - ETA: 0s - loss: 0.2934Epoch 10/10

 10/1149 [...] - ETA: 0s - loss: 0.1217
1030/1149 [=====>...] - ETA: 0s - loss: 1.1407
 525/1149 [=====>...] - ETA: 0s - loss: 0.1484
 720/1149 [=====>...] - ETA: 0s - loss: 0.7885
 750/1149 [=====>...] - ETA: 0s - loss: 1.1604
 970/1148 [=====>...] - ETA: 0s - loss: 0.3315
1149/1149 [=====] - 1s 521us/step - loss: 0.1178
Epoch 18/20

  5/1149 [...] - ETA: 0s - loss: 0.0930
1149/1149 [=====] - 0s 300us/step - loss: 0.2846
Epoch 4/10

 10/1149 [...] - ETA: 0s - loss: 0.1721
1149/1149 [=====] - 1s 750us/step - loss: 1.1616
Epoch 2/15

 10/1149 [...] - ETA: 0s - loss: 0.5173
190/1149 [===>...] - ETA: 0s - loss: 0.1144
610/1149 [=====>...] - ETA: 0s - loss: 0.1415
900/1149 [=====>...] - ETA: 0s - loss: 0.7218
920/1149 [=====>...] - ETA: 0s - loss: 1.1517
1040/1148 [=====>...] - ETA: 0s - loss: 0.3261
110/1149 [=>...] - ETA: 0s - loss: 0.1667
190/1149 [===>...] - ETA: 0s - loss: 0.1711
140/1149 [===>...] - ETA: 0s - loss: 1.0197
370/1149 [=====>...] - ETA: 0s - loss: 0.1157
1148/1148 [=====] - 1s 792us/step - loss: 0.3200

690/1149 [=====>...] - ETA: 0s - loss: 0.1363Epoch 2/15

 10/1148 [...] - ETA: 0s - loss: 0.1754
1040/1149 [=====>...] - ETA: 0s - loss: 0.6690
1060/1149 [=====>...] - ETA: 0s - loss: 1.1288

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200/1149 [====>...] - ETA: 0s - loss: 0.1420
390/1149 [=====>...] - ETA: 0s - loss: 0.1792
320/1149 [=====>...] - ETA: 0s - loss: 1.0912
570/1149 [=====>...] - ETA: 0s - loss: 0.1514
1149/1149 [=====] - 1s 789us/step - loss: 1.1220

1149/1149 [=====] - 0s 309us/step - loss: 0.6346
Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 1.4924Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.8057
790/1149 [=====>...] - ETA: 0s - loss: 0.1352
170/1148 [===>...] - ETA: 0s - loss: 0.1978
285/1149 [=====>...] - ETA: 0s - loss: 0.1291
590/1149 [=====>...] - ETA: 0s - loss: 0.1770
480/1149 [=====>...] - ETA: 0s - loss: 1.0714
800/1149 [=====>...] - ETA: 0s - loss: 0.1359
160/1149 [===>...] - ETA: 0s - loss: 0.9370
160/1149 [===>...] - ETA: 0s - loss: 0.3562
890/1149 [=====>...] - ETA: 0s - loss: 0.1292
350/1148 [=====>...] - ETA: 0s - loss: 0.2159
365/1149 [=====>...] - ETA: 0s - loss: 0.1248
740/1149 [=====>...] - ETA: 0s - loss: 0.1695
640/1149 [=====>...] - ETA: 0s - loss: 1.0725
970/1149 [=====>...] - ETA: 0s - loss: 0.1264
320/1149 [=====>...] - ETA: 0s - loss: 1.0213
330/1149 [=====>...] - ETA: 0s - loss: 0.2673
980/1149 [=====>...] - ETA: 0s - loss: 0.1253
570/1148 [=====>...] - ETA: 0s - loss: 0.2043
920/1149 [=====>...] - ETA: 0s - loss: 0.1828
460/1149 [=====>...] - ETA: 0s - loss: 0.1278
1149/1149 [=====] - 0s 264us/step - loss: 0.1288

810/1149 [=====>...] - ETA: 0s - loss: 1.0531
520/1149 [=====>...] - ETA: 0s - loss: 0.2432
470/1149 [=====>...] - ETA: 0s - loss: 1.0601
1070/1149 [=====>...] - ETA: 0s - loss: 0.1227
800/1148 [=====>...] - ETA: 0s - loss: 0.1882
1090/1149 [=====>...] - ETA: 0s - loss: 0.1730
560/1149 [=====>...] - ETA: 0s - loss: 0.1330
970/1149 [=====>...] - ETA: 0s - loss: 1.0020
1149/1149 [=====] - 0s 286us/step - loss: 0.1723
Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.0846
1149/1149 [=====] - 1s 575us/step - loss: 0.1191

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660/1149 [=====>...] - ETA: 0s - loss: 1.0562
720/1149 [=====>...] - ETA: 0s - loss: 0.2295Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.0886
930/1148 [=====>...] - ETA: 0s - loss: 0.1817
1149/1149 [=====] - 0s 303us/step - loss: 0.9540
Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.8681
660/1149 [=====>...] - ETA: 0s - loss: 0.1271
200/1149 [====>...] - ETA: 0s - loss: 0.1404
870/1149 [=====>...] - ETA: 0s - loss: 0.9536
900/1149 [=====>...] - ETA: 0s - loss: 0.2194
105/1149 [=>...] - ETA: 0s - loss: 0.0961
1090/1148 [=====>...] - ETA: 0s - loss: 0.1784
240/1149 [====>...] - ETA: 0s - loss: 0.7034
755/1149 [=====>...] - ETA: 0s - loss: 0.1261
1148/1148 [=====] - 0s 292us/step - loss: 0.1761
Epoch 3/15

10/1148 [...] - ETA: 0s - loss: 0.1271
380/1149 [=====>...] - ETA: 0s - loss: 0.1377
1080/1149 [=====>...] - ETA: 0s - loss: 0.9089
1060/1149 [=====>...] - ETA: 0s - loss: 0.2130
190/1149 [====>...] - ETA: 0s - loss: 0.1089
1149/1149 [=====] - 0s 283us/step - loss: 0.8915
Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.7153
440/1149 [=====>...] - ETA: 0s - loss: 0.7442
840/1149 [=====>...] - ETA: 0s - loss: 0.1218
220/1148 [====>...] - ETA: 0s - loss: 0.1442
1149/1149 [=====] - 0s 306us/step - loss: 0.2174
Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.2760
550/1149 [=====>...] - ETA: 0s - loss: 0.1428
285/1149 [=====>...] - ETA: 0s - loss: 0.1010
240/1149 [====>...] - ETA: 0s - loss: 0.5431
660/1149 [=====>...] - ETA: 0s - loss: 0.6968
930/1149 [=====>...] - ETA: 0s - loss: 0.1186
420/1148 [=====>...] - ETA: 0s - loss: 0.1436
110/1149 [=>...] - ETA: 0s - loss: 0.1842
740/1149 [=====>...] - ETA: 0s - loss: 0.1613
365/1149 [=====>...] - ETA: 0s - loss: 0.1036
440/1149 [=====>...] - ETA: 0s - loss: 0.5470
850/1149 [=====>...] - ETA: 0s - loss: 0.6971
1030/1149 [=====>...] - ETA: 0s - loss: 0.1157

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640/1148 [=====>...] - ETA: 0s - loss: 0.1379  
310/1149 [=====>...] - ETA: 0s - loss: 0.1792  
910/1149 [=====>...] - ETA: 0s - loss: 0.1660  
455/1149 [=====>...] - ETA: 0s - loss: 0.0985  
630/1149 [=====>...] - ETA: 0s - loss: 0.5394  
1030/1149 [=====>...] - ETA: 0s - loss: 0.6455  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1178  
850/1148 [=====>...] - ETA: 0s - loss: 0.1319  
1149/1149 [=====] - 1s 552us/step - loss: 0.1172  
Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.0411  
480/1149 [=====>...] - ETA: 0s - loss: 0.1894  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1594  
555/1149 [=====>...] - ETA: 0s - loss: 0.0962  
1149/1149 [=====] - 0s 254us/step - loss: 0.6765  
Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.8167  
800/1149 [=====>...] - ETA: 0s - loss: 0.5293  
1149/1149 [=====] - 0s 289us/step - loss: 0.1589  
Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.2730  
1030/1148 [=====>...] - ETA: 0s - loss: 0.1319  
100/1149 [=>...] - ETA: 0s - loss: 0.1122  
680/1149 [=====>...] - ETA: 0s - loss: 0.1823  
635/1149 [=====>...] - ETA: 0s - loss: 0.0987  
200/1149 [====>...] - ETA: 0s - loss: 0.4569  
980/1149 [=====>...] - ETA: 0s - loss: 0.4935  
200/1149 [====>...] - ETA: 0s - loss: 0.1835  
1148/1148 [=====] - 0s 258us/step - loss: 0.1335  
Epoch 4/15

10/1148 [...] - ETA: 0s - loss: 0.0587  
195/1149 [====>...] - ETA: 0s - loss: 0.1046  
890/1149 [=====>...] - ETA: 0s - loss: 0.1715  
730/1149 [=====>...] - ETA: 0s - loss: 0.0994  
390/1149 [=====>...] - ETA: 0s - loss: 0.4915  
1149/1149 [=====] - 0s 269us/step - loss: 0.4747

400/1149 [=====>...] - ETA: 0s - loss: 0.2021Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.0800  
190/1148 [====>...] - ETA: 0s - loss: 0.1571  
305/1149 [=====>...] - ETA: 0s - loss: 0.0968  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1762  
830/1149 [=====>...] - ETA: 0s - loss: 0.1034

1149/1149 [=====] - 0s 290us/step - loss: 0.1728  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.1646  
590/1149 [=====>...] - ETA: 0s - loss: 0.4376  
610/1149 [=====>...] - ETA: 0s - loss: 0.1761  
200/1149 [====>...] - ETA: 0s - loss: 0.2277  
360/1148 [=====>...] - ETA: 0s - loss: 0.1470  
395/1149 [=====>...] - ETA: 0s - loss: 0.1070  
915/1149 [=====>...] - ETA: 0s - loss: 0.1110  
790/1149 [=====>...] - ETA: 0s - loss: 0.4257  
210/1149 [====>...] - ETA: 0s - loss: 0.1234  
780/1149 [=====>...] - ETA: 0s - loss: 0.1624  
550/1148 [=====>...] - ETA: 0s - loss: 0.1300  
400/1149 [=====>...] - ETA: 0s - loss: 0.2546  
485/1149 [=====>...] - ETA: 0s - loss: 0.1170  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1090  
380/1149 [=====>...] - ETA: 0s - loss: 0.1760  
950/1149 [=====>...] - ETA: 0s - loss: 0.4065  
920/1149 [=====>...] - ETA: 0s - loss: 0.1582  
700/1148 [=====>...] - ETA: 0s - loss: 0.1238  
560/1149 [=====>...] - ETA: 0s - loss: 0.2667  
555/1149 [=====>...] - ETA: 0s - loss: 0.1106  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1099  
540/1149 [=====>...] - ETA: 0s - loss: 0.1722  
1140/1149 [=====>.] - ETA: 0s - loss: 0.3972  
1149/1149 [=====] - 0s 275us/step - loss: 0.3948  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.2098  
880/1148 [=====>...] - ETA: 0s - loss: 0.1198  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1541  
760/1149 [=====>...] - ETA: 0s - loss: 0.2548  
1149/1149 [=====] - 0s 283us/step - loss: 0.1532  
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.0579  
1149/1149 [=====] - 1s 575us/step - loss: 0.1191

660/1149 [=====>...] - ETA: 0s - loss: 0.1096Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.1216  
710/1149 [=====>...] - ETA: 0s - loss: 0.1820  
190/1149 [====>...] - ETA: 0s - loss: 0.1937  
1070/1148 [=====>...] - ETA: 0s - loss: 0.1155  
950/1149 [=====>...] - ETA: 0s - loss: 0.2327  
220/1149 [====>...] - ETA: 0s - loss: 0.1243  
750/1149 [=====>...] - ETA: 0s - loss: 0.1075

1148/1148 [=====] - 0s 291us/step - loss: 0.1166  
Epoch 5/15

10/1148 [...] - ETA: 0s - loss: 0.0977  
100/1149 [=>...] - ETA: 0s - loss: 0.1183  
900/1149 [=====>...] - ETA: 0s - loss: 0.1717  
380/1149 [=====>...] - ETA: 0s - loss: 0.1973  
1130/1149 [=====>.] - ETA: 0s - loss: 0.2271  
1149/1149 [=====] - 0s 280us/step - loss: 0.2248  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.3189  
410/1149 [=====>...] - ETA: 0s - loss: 0.1335  
840/1149 [=====>...] - ETA: 0s - loss: 0.1133  
190/1149 [===>...] - ETA: 0s - loss: 0.1161  
190/1148 [===>...] - ETA: 0s - loss: 0.0911  
540/1149 [=====>...] - ETA: 0s - loss: 0.2000  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1661  
190/1149 [===>...] - ETA: 0s - loss: 0.1831  
580/1149 [=====>...] - ETA: 0s - loss: 0.1287  
1149/1149 [=====] - 0s 292us/step - loss: 0.1624  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.1018  
920/1149 [=====>...] - ETA: 0s - loss: 0.1133  
290/1149 [=====>...] - ETA: 0s - loss: 0.1118  
370/1148 [=====>...] - ETA: 0s - loss: 0.0986  
750/1149 [=====>...] - ETA: 0s - loss: 0.2125  
390/1149 [=====>...] - ETA: 0s - loss: 0.1664  
750/1149 [=====>...] - ETA: 0s - loss: 0.1324  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1172  
190/1149 [===>...] - ETA: 0s - loss: 0.1303  
380/1149 [=====>...] - ETA: 0s - loss: 0.1139  
550/1148 [=====>...] - ETA: 0s - loss: 0.0961  
920/1149 [=====>...] - ETA: 0s - loss: 0.2264Epoch 1/15

10/1149 [...] - ETA: 1:02 - loss: 0.7383  
570/1149 [=====>...] - ETA: 0s - loss: 0.1564  
940/1149 [=====>...] - ETA: 0s - loss: 0.1358  
1105/1149 [=====>..] - ETA: 0s - loss: 0.1183  
390/1149 [=====>...] - ETA: 0s - loss: 0.1520  
480/1149 [=====>...] - ETA: 0s - loss: 0.1231  
750/1148 [=====>...] - ETA: 0s - loss: 0.1079  
1149/1149 [=====] - 1s 561us/step - loss: 0.1170

1100/1149 [=====>..] - ETA: 0s - loss: 0.2180Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.0932



110/1149 [=>...] - ETA: 5s - loss: 0.9687  
750/1149 [=====>...] - ETA: 0s - loss: 0.1592  
1149/1149 [=====] - 0s 281us/step - loss: 0.2206  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.2077  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1501  
620/1149 [=====>...] - ETA: 0s - loss: 0.1805  
1149/1149 [=====] - 0s 276us/step - loss: 0.1501

580/1149 [=====>...] - ETA: 0s - loss: 0.1179Epoch 8/10

10/1149 [...] - ETA: 0s - loss: 0.1727  
960/1148 [=====>...] - ETA: 0s - loss: 0.1069  
115/1149 [==>...] - ETA: 0s - loss: 0.1597  
170/1149 [===>...] - ETA: 3s - loss: 1.0632  
890/1149 [=====>...] - ETA: 0s - loss: 0.1648  
220/1149 [====>...] - ETA: 0s - loss: 0.1664  
820/1149 [=====>...] - ETA: 0s - loss: 0.1740  
1140/1148 [=====>.] - ETA: 0s - loss: 0.1076  
180/1149 [===>...] - ETA: 0s - loss: 0.1964  
685/1149 [=====>...] - ETA: 0s - loss: 0.1190  
1148/1148 [=====] - 0s 274us/step - loss: 0.1072  
Epoch 6/15

10/1148 [...] - ETA: 0s - loss: 0.0677  
200/1149 [====>...] - ETA: 0s - loss: 0.1452  
290/1149 [=====>...] - ETA: 2s - loss: 1.0434  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1606  
420/1149 [=====>...] - ETA: 0s - loss: 0.1587  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1662  
330/1149 [=====>...] - ETA: 0s - loss: 0.1605  
780/1149 [=====>...] - ETA: 0s - loss: 0.1303  
210/1148 [====>...] - ETA: 0s - loss: 0.1107  
310/1149 [=====>...] - ETA: 0s - loss: 0.1210  
1149/1149 [=====] - 0s 301us/step - loss: 0.1573  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.1682  
1149/1149 [=====] - 0s 256us/step - loss: 0.1566  
Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.2257  
390/1149 [=====>...] - ETA: 1s - loss: 1.1793  
640/1149 [=====>...] - ETA: 0s - loss: 0.1727  
540/1149 [=====>...] - ETA: 0s - loss: 0.1652  
875/1149 [=====>...] - ETA: 0s - loss: 0.1272  
390/1148 [=====>...] - ETA: 0s - loss: 0.1246

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395/1149 [=====>...] - ETA: 0s - loss: 0.1114
210/1149 [====>...] - ETA: 0s - loss: 0.1754
210/1149 [====>...] - ETA: 0s - loss: 0.1386
500/1149 [=====>...] - ETA: 1s - loss: 1.0958
850/1149 [=====>...] - ETA: 0s - loss: 0.1567
970/1149 [=====>...] - ETA: 0s - loss: 0.1260
750/1149 [=====>...] - ETA: 0s - loss: 0.1543
580/1148 [=====>...] - ETA: 0s - loss: 0.1131
480/1149 [=====>...] - ETA: 0s - loss: 0.1095
410/1149 [=====>...] - ETA: 0s - loss: 0.1546
410/1149 [=====>...] - ETA: 0s - loss: 0.1446
1040/1149 [=====>...] - ETA: 0s - loss: 0.1529
560/1149 [=====>...] - ETA: 0s - loss: 1.0666
1080/1149 [=====>...] - ETA: 0s - loss: 0.1214
950/1149 [=====>...] - ETA: 0s - loss: 0.1482
750/1148 [=====>...] - ETA: 0s - loss: 0.1081
570/1149 [=====>...] - ETA: 0s - loss: 0.1084
1149/1149 [=====] - 0s 256us/step - loss: 0.1526

610/1149 [=====>...] - ETA: 0s - loss: 0.1542Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.0463
580/1149 [=====>...] - ETA: 0s - loss: 0.1425
1149/1149 [=====] - 1s 530us/step - loss: 0.1195

680/1149 [=====>...] - ETA: 0s - loss: 1.0266
1149/1149 [=====] - 0s 272us/step - loss: 0.1468
Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.1811
940/1148 [=====>...] - ETA: 0s - loss: 0.1042
670/1149 [=====>...] - ETA: 0s - loss: 0.1054
810/1149 [=====>...] - ETA: 0s - loss: 0.1426
200/1149 [====>...] - ETA: 0s - loss: 0.1369
760/1149 [=====>...] - ETA: 0s - loss: 0.1487
790/1149 [=====>...] - ETA: 0s - loss: 1.0253
210/1149 [====>...] - ETA: 0s - loss: 0.1788
1148/1148 [=====] - 0s 272us/step - loss: 0.1024
Epoch 7/15

10/1148 [...] - ETA: 0s - loss: 0.0621
770/1149 [=====>...] - ETA: 0s - loss: 0.1118
1030/1149 [=====>...] - ETA: 0s - loss: 0.1416
380/1149 [=====>...] - ETA: 0s - loss: 0.1420
950/1149 [=====>...] - ETA: 0s - loss: 0.1441
930/1149 [=====>...] - ETA: 0s - loss: 1.0309
1149/1149 [=====] - 0s 253us/step - loss: 0.1379

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410/1149 [=====>...] - ETA: 0s - loss: 0.1379Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.1864
240/1148 [=====>...] - ETA: 0s - loss: 0.1227
875/1149 [=====>...] - ETA: 0s - loss: 0.1116
570/1149 [=====>...] - ETA: 0s - loss: 0.1471
1130/1149 [=====>.] - ETA: 0s - loss: 0.1491
1149/1149 [=====] - 0s 276us/step - loss: 0.1502
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.0657
1040/1149 [=====>...] - ETA: 0s - loss: 1.0491
610/1149 [=====>...] - ETA: 0s - loss: 0.1348
210/1149 [=====>...] - ETA: 0s - loss: 0.1292
450/1148 [=====>...] - ETA: 0s - loss: 0.1038
975/1149 [=====>...] - ETA: 0s - loss: 0.1127
1149/1149 [=====] - 1s 967us/step - loss: 1.0561

760/1149 [=====>...] - ETA: 0s - loss: 0.1374Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 0.5701
220/1149 [=====>...] - ETA: 0s - loss: 0.1386
810/1149 [=====>...] - ETA: 0s - loss: 0.1286
370/1149 [=====>...] - ETA: 0s - loss: 0.1480
610/1148 [=====>...] - ETA: 0s - loss: 0.1051
1075/1149 [=====>..] - ETA: 0s - loss: 0.1126
270/1149 [=====>...] - ETA: 0s - loss: 0.9088
950/1149 [=====>...] - ETA: 0s - loss: 0.1376
410/1149 [=====>...] - ETA: 0s - loss: 0.1727
1000/1149 [=====>...] - ETA: 0s - loss: 0.1299
580/1149 [=====>...] - ETA: 0s - loss: 0.1480
1149/1149 [=====] - 1s 528us/step - loss: 0.1155

700/1148 [=====>...] - ETA: 0s - loss: 0.1000
490/1149 [=====>...] - ETA: 0s - loss: 0.9065
1149/1149 [=====] - 0s 269us/step - loss: 0.1317
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.1355
610/1149 [=====>...] - ETA: 0s - loss: 0.1585
1149/1149 [=====] - 0s 258us/step - loss: 0.1439
Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.0884
710/1149 [=====>...] - ETA: 0s - loss: 0.1444
850/1148 [=====>...] - ETA: 0s - loss: 0.0971
740/1149 [=====>...] - ETA: 0s - loss: 0.8255
220/1149 [=====>...] - ETA: 0s - loss: 0.1282

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820/1149 [=====>...] - ETA: 0s - loss: 0.1471  
210/1149 [====>...] - ETA: 0s - loss: 0.1173  
900/1149 [=====>...] - ETA: 0s - loss: 0.1339  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0980  
960/1149 [=====>...] - ETA: 0s - loss: 0.7561  
440/1149 [=====>...] - ETA: 0s - loss: 0.1553  
1148/1148 [=====] - 0s 293us/step - loss: 0.0987  
Epoch 8/15

10/1148 [...] - ETA: 0s - loss: 0.0365  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1453  
410/1149 [=====>...] - ETA: 0s - loss: 0.1536  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1308  
1149/1149 [=====] - 0s 220us/step - loss: 0.7231  
Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.1684  
1149/1149 [=====] - 0s 256us/step - loss: 0.1465  
Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.0606  
1149/1149 [=====] - 0s 290us/step - loss: 0.1315  
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.0568  
650/1149 [=====>...] - ETA: 0s - loss: 0.1443  
230/1148 [=====>...] - ETA: 0s - loss: 0.1083  
640/1149 [=====>...] - ETA: 0s - loss: 0.1453  
100/1149 [=>...] - ETA: 0s - loss: 0.4298  
200/1149 [=====>...] - ETA: 0s - loss: 0.1572  
200/1149 [=====>...] - ETA: 0s - loss: 0.1024  
790/1149 [=====>...] - ETA: 0s - loss: 0.1305  
460/1148 [=====>...] - ETA: 0s - loss: 0.0980  
830/1149 [=====>...] - ETA: 0s - loss: 0.1421  
240/1149 [=====>...] - ETA: 0s - loss: 0.5010  
370/1149 [=====>...] - ETA: 0s - loss: 0.1509  
410/1149 [=====>...] - ETA: 0s - loss: 0.1424  
900/1149 [=====>...] - ETA: 0s - loss: 0.1311  
660/1148 [=====>...] - ETA: 0s - loss: 0.0968  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1412  
380/1149 [=====>...] - ETA: 0s - loss: 0.4421  
560/1149 [=====>...] - ETA: 0s - loss: 0.1426  
580/1149 [=====>...] - ETA: 0s - loss: 0.1366  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1283  
830/1148 [=====>...] - ETA: 0s - loss: 0.0967  
1149/1149 [=====] - 0s 265us/step - loss: 0.1411  
  
1149/1149 [=====] - 0s 299us/step - loss: 0.1267

Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.0821  
590/1149 [=====>...] - ETA: 0s - loss: 0.3982  
730/1149 [=====>...] - ETA: 0s - loss: 0.1456  
770/1149 [=====>...] - ETA: 0s - loss: 0.1308  
1000/1148 [=====>...] - ETA: 0s - loss: 0.0961  
220/1149 [====>...] - ETA: 0s - loss: 0.1189  
830/1149 [=====>...] - ETA: 0s - loss: 0.3512  
960/1149 [=====>...] - ETA: 0s - loss: 0.1432  
1148/1148 [=====] - 0s 262us/step - loss: 0.0958

1010/1149 [=====>...] - ETA: 0s - loss: 0.1305Epoch 9/15

10/1148 [...] - ETA: 0s - loss: 0.1917  
440/1149 [=====>...] - ETA: 0s - loss: 0.1059  
1149/1149 [=====] - 0s 256us/step - loss: 0.1286

1050/1149 [=====>...] - ETA: 0s - loss: 0.3244Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.1182  
1110/1149 [=====>...] - ETA: 0s - loss: 0.1451  
200/1148 [====>...] - ETA: 0s - loss: 0.0974  
1149/1149 [=====] - 0s 283us/step - loss: 0.1419

1149/1149 [=====] - 0s 290us/step - loss: 0.3177

Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.2267Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.0651  
630/1149 [=====>...] - ETA: 0s - loss: 0.1045  
200/1149 [====>...] - ETA: 0s - loss: 0.1170  
400/1148 [=====>...] - ETA: 0s - loss: 0.0922  
190/1149 [===>...] - ETA: 0s - loss: 0.1657  
220/1149 [====>...] - ETA: 0s - loss: 0.2217  
790/1149 [=====>...] - ETA: 0s - loss: 0.1163  
370/1149 [=====>...] - ETA: 0s - loss: 0.1516  
570/1148 [=====>...] - ETA: 0s - loss: 0.0871  
360/1149 [=====>...] - ETA: 0s - loss: 0.1760  
350/1149 [=====>...] - ETA: 0s - loss: 0.2061  
990/1149 [=====>...] - ETA: 0s - loss: 0.1239  
530/1149 [=====>...] - ETA: 0s - loss: 0.1347  
750/1148 [=====>...] - ETA: 0s - loss: 0.0890  
600/1149 [=====>...] - ETA: 0s - loss: 0.1569  
450/1149 [=====>...] - ETA: 0s - loss: 0.2247  
1149/1149 [=====] - 0s 274us/step - loss: 0.1235

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730/1149 [=====>...] - ETA: 0s - loss: 0.1333Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.2260
930/1148 [=====>...] - ETA: 0s - loss: 0.0900
810/1149 [=====>...] - ETA: 0s - loss: 0.1418
660/1149 [=====>...] - ETA: 0s - loss: 0.2097
960/1149 [=====>...] - ETA: 0s - loss: 0.1291
200/1149 [====>...] - ETA: 0s - loss: 0.1234
1148/1148 [=====] - 0s 270us/step - loss: 0.0934
Epoch 10/15

10/1148 [...] - ETA: 0s - loss: 0.0660
1000/1149 [=====>...] - ETA: 0s - loss: 0.1379
890/1149 [=====>...] - ETA: 0s - loss: 0.2084
1149/1149 [=====] - 0s 265us/step - loss: 0.1268
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.1099
380/1149 [=====>...] - ETA: 0s - loss: 0.1198
210/1148 [====>...] - ETA: 0s - loss: 0.0727
1149/1149 [=====] - 0s 261us/step - loss: 0.1397
Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.0893
1120/1149 [=====>.] - ETA: 0s - loss: 0.1924
1149/1149 [=====] - 0s 280us/step - loss: 0.1911
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.1363
190/1149 [====>...] - ETA: 0s - loss: 0.1493
530/1149 [=====>...] - ETA: 0s - loss: 0.1218
410/1148 [=====>...] - ETA: 0s - loss: 0.0890
200/1149 [====>...] - ETA: 0s - loss: 0.1556
190/1149 [====>...] - ETA: 0s - loss: 0.1796
340/1149 [=====>...] - ETA: 0s - loss: 0.1357
730/1149 [=====>...] - ETA: 0s - loss: 0.1211
580/1148 [=====>...] - ETA: 0s - loss: 0.0937
390/1149 [=====>...] - ETA: 0s - loss: 0.1678
390/1149 [=====>...] - ETA: 0s - loss: 0.2032Epoch 1/20

10/1148 [...] - ETA: 58s - loss: 0.3573
510/1149 [=====>...] - ETA: 0s - loss: 0.1210
930/1149 [=====>...] - ETA: 0s - loss: 0.1207
770/1148 [=====>...] - ETA: 0s - loss: 0.0888
600/1149 [=====>...] - ETA: 0s - loss: 0.1519
590/1149 [=====>...] - ETA: 0s - loss: 0.1998
100/1148 [=>...] - ETA: 5s - loss: 0.3950
690/1149 [=====>...] - ETA: 0s - loss: 0.1240

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1140/1149 [=====>.] - ETA: 0s - loss: 0.1224  
1149/1149 [=====] - 0s 276us/step - loss: 0.1219  
Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.0430  
940/1148 [=====>...] - ETA: 0s - loss: 0.0902  
770/1149 [=====>...] - ETA: 0s - loss: 0.1498  
790/1149 [=====>...] - ETA: 0s - loss: 0.1831  
890/1149 [=====>...] - ETA: 0s - loss: 0.1234  
240/1148 [=====>...] - ETA: 2s - loss: 0.3775  
170/1149 [====>...] - ETA: 0s - loss: 0.1122  
1140/1148 [=====>.] - ETA: 0s - loss: 0.0917  
1148/1148 [=====] - 0s 271us/step - loss: 0.0915  
Epoch 11/15

10/1148 [...] - ETA: 0s - loss: 0.0751  
940/1149 [=====>...] - ETA: 0s - loss: 0.1421  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1737  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1281  
350/1148 [=====>...] - ETA: 1s - loss: 0.3647  
340/1149 [=====>...] - ETA: 0s - loss: 0.1102  
1149/1149 [=====] - 0s 290us/step - loss: 0.1255  
  
1149/1149 [=====] - 0s 272us/step - loss: 0.1367  
  
200/1148 [=====>...] - ETA: 0s - loss: 0.0769Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.1389  
1149/1149 [=====] - 0s 254us/step - loss: 0.1666  
Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1403Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.2906  
480/1148 [=====>...] - ETA: 1s - loss: 0.3428  
520/1149 [=====>...] - ETA: 0s - loss: 0.1102  
370/1148 [=====>...] - ETA: 0s - loss: 0.0812  
200/1149 [=====>...] - ETA: 0s - loss: 0.1002  
210/1149 [=====>...] - ETA: 0s - loss: 0.1352  
170/1149 [====>...] - ETA: 0s - loss: 0.1329  
610/1148 [=====>...] - ETA: 0s - loss: 0.3327  
710/1149 [=====>...] - ETA: 0s - loss: 0.1226  
570/1148 [=====>...] - ETA: 0s - loss: 0.0908  
360/1149 [=====>...] - ETA: 0s - loss: 0.1048  
370/1149 [=====>...] - ETA: 0s - loss: 0.1326  
370/1149 [=====>...] - ETA: 0s - loss: 0.1341  
740/1148 [=====>...] - ETA: 0s - loss: 0.3366  
930/1149 [=====>...] - ETA: 0s - loss: 0.1257

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760/1148 [=====>...] - ETA: 0s - loss: 0.0889
530/1149 [=====>...] - ETA: 0s - loss: 0.1152
570/1149 [=====>...] - ETA: 0s - loss: 0.1305
560/1149 [=====>...] - ETA: 0s - loss: 0.1385
890/1148 [=====>...] - ETA: 0s - loss: 0.3350
1090/1149 [=====>...] - ETA: 0s - loss: 0.1209
930/1148 [=====>...] - ETA: 0s - loss: 0.0872
750/1149 [=====>...] - ETA: 0s - loss: 0.1226
1149/1149 [=====] - 0s 284us/step - loss: 0.1208

740/1149 [=====>...] - ETA: 0s - loss: 0.1507
700/1149 [=====>...] - ETA: 0s - loss: 0.1335Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1283
990/1148 [=====>...] - ETA: 0s - loss: 0.3273Epoch 1/20

10/1149 [...] - ETA: 1:22 - loss: 1.0464
1120/1148 [=====>...] - ETA: 0s - loss: 0.0893
960/1149 [=====>...] - ETA: 0s - loss: 0.1293
930/1149 [=====>...] - ETA: 0s - loss: 0.1488
1148/1148 [=====] - 0s 279us/step - loss: 0.0902

880/1149 [=====>...] - ETA: 0s - loss: 0.1249
250/1149 [=====>...] - ETA: 0s - loss: 0.1372Epoch 12/15

10/1148 [...] - ETA: 0s - loss: 0.1472
60/1149 [>...] - ETA: 14s - loss: 1.2436
1130/1148 [=====>...] - ETA: 0s - loss: 0.3155
1149/1149 [=====] - 0s 265us/step - loss: 0.1244

1148/1148 [=====] - 1s 874us/step - loss: 0.3136
Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 1.0227Epoch 2/20

10/1148 [...] - ETA: 0s - loss: 0.2716
1050/1149 [=====>...] - ETA: 0s - loss: 0.1369
460/1149 [=====>...] - ETA: 0s - loss: 0.1200
1130/1149 [=====>...] - ETA: 0s - loss: 0.1546
190/1148 [====>...] - ETA: 0s - loss: 0.0844
1149/1149 [=====] - 0s 279us/step - loss: 0.1537
Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.1338
120/1149 [====>...] - ETA: 7s - loss: 1.0146
1149/1149 [=====] - 0s 303us/step - loss: 0.1348
Epoch 13/15

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10/1149 [...] - ETA: 0s - loss: 0.1852  
 140/1149 [==>...] - ETA: 0s - loss: 0.1674  
 600/1149 [=====>...] - ETA: 0s - loss: 0.1273  
 340/1148 [=====>...] - ETA: 0s - loss: 0.0837  
 120/1148 [==>...] - ETA: 0s - loss: 0.2527  
 100/1149 [=>...] - ETA: 0s - loss: 0.1338  
 120/1149 [==>...] - ETA: 0s - loss: 0.0991  
 190/1149 [===>...] - ETA: 0s - loss: 0.1513  
 140/1149 [==>...] - ETA: 6s - loss: 0.9323  
 690/1149 [=====>...] - ETA: 0s - loss: 0.1305  
 430/1148 [=====>...] - ETA: 0s - loss: 0.0794  
 150/1149 [==>...] - ETA: 0s - loss: 0.1361  
 160/1148 [===>...] - ETA: 0s - loss: 0.2874  
 190/1149 [===>...] - ETA: 0s - loss: 0.1516  
 250/1149 [=====>...] - ETA: 0s - loss: 0.1533  
 170/1149 [===>...] - ETA: 5s - loss: 0.9642  
 490/1148 [=====>...] - ETA: 0s - loss: 0.0787  
 750/1149 [=====>...] - ETA: 0s - loss: 0.1267  
 210/1149 [====>...] - ETA: 0s - loss: 0.1341  
 220/1148 [====>...] - ETA: 0s - loss: 0.2597  
 240/1149 [=====>...] - ETA: 0s - loss: 0.1519  
 320/1149 [=====>...] - ETA: 0s - loss: 0.1402  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1254  
 280/1149 [=====>...] - ETA: 0s - loss: 0.1368  
 540/1148 [=====>...] - ETA: 0s - loss: 0.0783  
 190/1149 [===>...] - ETA: 5s - loss: 0.9718  
 290/1148 [=====>...] - ETA: 0s - loss: 0.2443  
 300/1149 [=====>...] - ETA: 0s - loss: 0.1466  
 370/1149 [=====>...] - ETA: 0s - loss: 0.1428  
 840/1149 [=====>...] - ETA: 0s - loss: 0.1236  
 340/1148 [=====>...] - ETA: 0s - loss: 0.2286  
 330/1149 [=====>...] - ETA: 0s - loss: 0.1347  
 260/1149 [=====>...] - ETA: 3s - loss: 1.1896  
 590/1148 [=====>...] - ETA: 0s - loss: 0.0812  
 420/1149 [=====>...] - ETA: 0s - loss: 0.1336  
 470/1149 [=====>...] - ETA: 0s - loss: 0.1375  
 950/1149 [=====>...] - ETA: 0s - loss: 0.1199  
 540/1148 [=====>...] - ETA: 0s - loss: 0.1963  
 400/1149 [=====>...] - ETA: 2s - loss: 1.1217  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1437  
 740/1148 [=====>...] - ETA: 0s - loss: 0.0856  
 550/1149 [=====>...] - ETA: 0s - loss: 0.1220  
 610/1149 [=====>...] - ETA: 0s - loss: 0.1247  
 1100/1149 [=====>...] - ETA: 0s - loss: 0.1178  
 710/1148 [=====>...] - ETA: 0s - loss: 0.1883  
 630/1149 [=====>...] - ETA: 0s - loss: 0.1365  
 630/1149 [=====>...] - ETA: 0s - loss: 1.1688  
 890/1148 [=====>...] - ETA: 0s - loss: 0.0907

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1149/1149 [=====] - 1s 437us/step - loss: 0.1189
Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.0560
700/1149 [=====>...] - ETA: 0s - loss: 0.1193
780/1149 [=====>...] - ETA: 0s - loss: 0.1247
900/1148 [=====>...] - ETA: 0s - loss: 0.1768
820/1149 [=====>...] - ETA: 0s - loss: 0.1517
710/1149 [=====>...] - ETA: 0s - loss: 1.1394
1090/1148 [=====>..] - ETA: 0s - loss: 0.0895Epoch 1/20

10/1149 [...] - ETA: 1:56 - loss: 0.3725
210/1149 [====>...] - ETA: 0s - loss: 0.1663
1148/1148 [=====] - 1s 449us/step - loss: 0.0891
Epoch 13/15

10/1148 [...] - ETA: 0s - loss: 0.1403
830/1149 [=====>...] - ETA: 0s - loss: 0.1167
910/1149 [=====>...] - ETA: 0s - loss: 0.1243
1040/1148 [=====>...] - ETA: 0s - loss: 0.1664
800/1149 [=====>...] - ETA: 0s - loss: 1.1466
960/1149 [=====>...] - ETA: 0s - loss: 0.1570
190/1149 [====>...] - ETA: 5s - loss: 1.0262
400/1149 [=====>...] - ETA: 0s - loss: 0.1511
190/1148 [====>...] - ETA: 0s - loss: 0.0861
980/1149 [=====>...] - ETA: 0s - loss: 0.1271
1030/1149 [=====>...] - ETA: 0s - loss: 0.1268
1130/1148 [=====>.] - ETA: 0s - loss: 0.1604
1040/1149 [=====>...] - ETA: 0s - loss: 1.1833
1110/1149 [=====>..] - ETA: 0s - loss: 0.1488
1148/1148 [=====] - 1s 492us/step - loss: 0.1599
Epoch 3/20

10/1148 [...] - ETA: 0s - loss: 0.0931
1149/1149 [=====] - 1s 499us/step - loss: 0.1235

510/1149 [=====>...] - ETA: 0s - loss: 0.1400Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.1299
370/1148 [=====>...] - ETA: 0s - loss: 0.0812
1149/1149 [=====] - 1s 472us/step - loss: 0.1329

1149/1149 [=====] - 1s 1ms/step - loss: 1.1839
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 0.7433
1149/1149 [=====] - 1s 495us/step - loss: 0.1464
Epoch 14/15

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10/1149 [...] - ETA: 0s - loss: 0.1483Epoch 8/15

10/1149 [...] - ETA: 1s - loss: 0.0955
600/1149 [=====>...] - ETA: 0s - loss: 0.1374
90/1148 [=>...] - ETA: 0s - loss: 0.1098
210/1149 [====>...] - ETA: 5s - loss: 1.0505
160/1149 [===>...] - ETA: 0s - loss: 0.2166
540/1148 [=====>...] - ETA: 0s - loss: 0.0783
180/1149 [===>...] - ETA: 0s - loss: 1.1039
160/1149 [===>...] - ETA: 0s - loss: 0.1244
140/1149 [==>...] - ETA: 0s - loss: 0.1089
270/1148 [=====>...] - ETA: 0s - loss: 0.1125
320/1149 [=====>...] - ETA: 3s - loss: 1.1618
800/1149 [=====>...] - ETA: 0s - loss: 0.1319
240/1149 [=====>...] - ETA: 0s - loss: 0.1785
620/1148 [=====>...] - ETA: 0s - loss: 0.0812
240/1149 [=====>...] - ETA: 0s - loss: 0.1561
350/1149 [=====>...] - ETA: 0s - loss: 0.1315
280/1149 [=====>...] - ETA: 0s - loss: 1.1377
450/1148 [=====>...] - ETA: 0s - loss: 0.1092
1000/1149 [=====>...] - ETA: 0s - loss: 0.1248
310/1149 [=====>...] - ETA: 0s - loss: 0.1633
420/1149 [=====>...] - ETA: 2s - loss: 1.0954
710/1148 [=====>...] - ETA: 0s - loss: 0.0897
320/1149 [=====>...] - ETA: 0s - loss: 0.1355
530/1149 [=====>...] - ETA: 0s - loss: 0.1230
370/1149 [=====>...] - ETA: 0s - loss: 1.0691
470/1149 [=====>...] - ETA: 0s - loss: 0.1385
570/1148 [=====>...] - ETA: 0s - loss: 0.1133
610/1149 [=====>...] - ETA: 1s - loss: 1.1560
1100/1149 [=====>...] - ETA: 0s - loss: 0.1219
900/1148 [=====>...] - ETA: 0s - loss: 0.0899
480/1149 [=====>...] - ETA: 0s - loss: 0.1307
600/1149 [=====>...] - ETA: 0s - loss: 0.1189
530/1149 [=====>...] - ETA: 0s - loss: 1.0960
1149/1149 [=====] - 0s 360us/step - loss: 0.1192
Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.1360
710/1149 [=====>...] - ETA: 0s - loss: 0.1251
670/1148 [=====>...] - ETA: 0s - loss: 0.1106
710/1149 [=====>...] - ETA: 0s - loss: 1.1146
1140/1148 [=====>...] - ETA: 0s - loss: 0.0882
660/1149 [=====>...] - ETA: 0s - loss: 0.1272
1148/1148 [=====] - 0s 333us/step - loss: 0.0880

670/1149 [=====>...] - ETA: 0s - loss: 1.0221

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660/1149 [=====>...] - ETA: 0s - loss: 0.1187Epoch 14/15

10/1148 [...] - ETA: 0s - loss: 0.0738
130/1149 [==>...] - ETA: 0s - loss: 0.1447
900/1149 [=====>...] - ETA: 0s - loss: 0.1202
780/1148 [=====>...] - ETA: 0s - loss: 0.1167
900/1149 [=====>...] - ETA: 0s - loss: 1.1776
770/1149 [=====>...] - ETA: 0s - loss: 0.1385
820/1149 [=====>...] - ETA: 0s - loss: 1.0093
850/1149 [=====>...] - ETA: 0s - loss: 0.1432
170/1148 [==>...] - ETA: 0s - loss: 0.0877
320/1149 [=====>...] - ETA: 0s - loss: 0.1244
1000/1148 [=====>...] - ETA: 0s - loss: 0.1089
1000/1149 [=====>...] - ETA: 0s - loss: 0.1150
1090/1149 [=====>..] - ETA: 0s - loss: 1.1415
840/1149 [=====>...] - ETA: 0s - loss: 0.1350
1070/1149 [=====>...] - ETA: 0s - loss: 0.1400
1149/1149 [=====] - 2s 1ms/step - loss: 1.1165

920/1149 [=====>...] - ETA: 0s - loss: 0.9987Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 0.6976
240/1148 [=====>...] - ETA: 0s - loss: 0.0804
550/1149 [=====>...] - ETA: 0s - loss: 0.1318
1149/1149 [=====] - 0s 346us/step - loss: 0.1430

1148/1148 [=====] - 0s 366us/step - loss: 0.1088
Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.0484Epoch 4/20

10/1148 [...] - ETA: 0s - loss: 0.1091
1110/1149 [=====>..] - ETA: 0s - loss: 0.1223
980/1149 [=====>...] - ETA: 0s - loss: 0.1300
1149/1149 [=====] - 0s 381us/step - loss: 0.1229

1090/1149 [=====>..] - ETA: 0s - loss: 0.9498Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.0768
420/1148 [=====>...] - ETA: 0s - loss: 0.0790
200/1149 [=====>...] - ETA: 0s - loss: 0.8645
710/1149 [=====>...] - ETA: 0s - loss: 0.1249
1149/1149 [=====] - 0s 389us/step - loss: 0.9284
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.8726
180/1149 [===>...] - ETA: 0s - loss: 0.1712
170/1148 [===>...] - ETA: 0s - loss: 0.0916

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1149/1149 [=====] - 0s 402us/step - loss: 0.1317  
Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.0358  
180/1149 [==>...] - ETA: 0s - loss: 0.1484  
650/1148 [=====>...] - ETA: 0s - loss: 0.0814  
360/1149 [=====>...] - ETA: 0s - loss: 0.7968  
840/1149 [=====>...] - ETA: 0s - loss: 0.1188  
200/1149 [====>...] - ETA: 0s - loss: 0.5587  
350/1149 [=====>...] - ETA: 0s - loss: 0.1498  
320/1148 [=====>...] - ETA: 0s - loss: 0.0927  
200/1149 [====>...] - ETA: 0s - loss: 0.1704  
360/1149 [=====>...] - ETA: 0s - loss: 0.1288  
840/1148 [=====>...] - ETA: 0s - loss: 0.0860  
520/1149 [=====>...] - ETA: 0s - loss: 0.7279  
980/1149 [=====>...] - ETA: 0s - loss: 0.1161  
480/1149 [=====>...] - ETA: 0s - loss: 0.1403  
360/1149 [=====>...] - ETA: 0s - loss: 0.4644  
470/1148 [=====>...] - ETA: 0s - loss: 0.0952  
380/1149 [=====>...] - ETA: 0s - loss: 0.1398  
540/1149 [=====>...] - ETA: 0s - loss: 0.1163  
1030/1148 [=====>...] - ETA: 0s - loss: 0.0866  
700/1149 [=====>...] - ETA: 0s - loss: 0.6885  
1149/1149 [=====] - 0s 317us/step - loss: 0.1177  
Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.0577  
650/1148 [=====>...] - ETA: 0s - loss: 0.0967  
670/1149 [=====>...] - ETA: 0s - loss: 0.1387  
440/1149 [=====>...] - ETA: 0s - loss: 0.4446  
570/1149 [=====>...] - ETA: 0s - loss: 0.1355  
1148/1148 [=====] - 0s 302us/step - loss: 0.0865  
Epoch 15/15

10/1148 [...] - ETA: 0s - loss: 0.0427  
730/1149 [=====>...] - ETA: 0s - loss: 0.1255  
900/1149 [=====>...] - ETA: 0s - loss: 0.6362  
200/1149 [====>...] - ETA: 0s - loss: 0.1109  
860/1149 [=====>...] - ETA: 0s - loss: 0.1361  
860/1148 [=====>...] - ETA: 0s - loss: 0.0932  
490/1149 [=====>...] - ETA: 0s - loss: 0.4251  
770/1149 [=====>...] - ETA: 0s - loss: 0.1351  
170/1148 [==>...] - ETA: 0s - loss: 0.0901  
920/1149 [=====>...] - ETA: 0s - loss: 0.1249  
1080/1149 [=====>...] - ETA: 0s - loss: 0.5989  
420/1149 [=====>...] - ETA: 0s - loss: 0.1341  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1408  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0899

610/1149 [=====>...] - ETA: 0s - loss: 0.3937  
1149/1149 [=====] - 0s 296us/step - loss: 0.5907  
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.9238  
980/1149 [=====>...] - ETA: 0s - loss: 0.1293  
300/1148 [=====>...] - ETA: 0s - loss: 0.0905  
1149/1149 [=====] - 0s 291us/step - loss: 0.1407  
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.2030  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1235  
1148/1148 [=====] - 0s 305us/step - loss: 0.0927  
Epoch 5/20

10/1148 [...] - ETA: 0s - loss: 0.1380  
1149/1149 [=====] - 0s 284us/step - loss: 0.1219  
Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.2104  
650/1149 [=====>...] - ETA: 0s - loss: 0.1215  
700/1149 [=====>...] - ETA: 0s - loss: 0.3959  
1149/1149 [=====] - 0s 268us/step - loss: 0.1301

220/1149 [====>...] - ETA: 0s - loss: 0.4048  
450/1148 [=====>...] - ETA: 0s - loss: 0.0880  
200/1149 [====>...] - ETA: 0s - loss: 0.1297  
200/1148 [====>...] - ETA: 0s - loss: 0.1115  
830/1149 [=====>...] - ETA: 0s - loss: 0.1223  
200/1149 [====>...] - ETA: 0s - loss: 0.1337  
900/1149 [=====>...] - ETA: 0s - loss: 0.3764  
390/1149 [=====>...] - ETA: 0s - loss: 0.3647  
650/1148 [=====>...] - ETA: 0s - loss: 0.0843  
350/1149 [=====>...] - ETA: 0s - loss: 0.1334  
380/1148 [=====>...] - ETA: 0s - loss: 0.1021  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1190  
370/1149 [=====>...] - ETA: 0s - loss: 0.1478  
1130/1149 [=====>.] - ETA: 0s - loss: 0.3477  
1149/1149 [=====] - 0s 372us/step - loss: 0.3457

530/1149 [=====>...] - ETA: 0s - loss: 0.3632Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.1052  
870/1148 [=====>...] - ETA: 0s - loss: 0.0880  
550/1149 [=====>...] - ETA: 0s - loss: 0.1337  
570/1148 [=====>...] - ETA: 0s - loss: 0.0953  
510/1149 [=====>...] - ETA: 0s - loss: 0.1450  
990/1148 [=====>...] - ETA: 0s - loss: 0.0880

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1149/1149 [=====] - 0s 285us/step - loss: 0.1168

620/1149 [=====>...] - ETA: 0s - loss: 0.3459
640/1149 [=====>...] - ETA: 0s - loss: 0.1337
130/1149 [==>...] - ETA: 0s - loss: 0.1606
620/1148 [=====>...] - ETA: 0s - loss: 0.0901
560/1149 [=====>...] - ETA: 0s - loss: 0.1427
670/1149 [=====>...] - ETA: 0s - loss: 0.3401
1040/1148 [=====>...] - ETA: 0s - loss: 0.0878
720/1149 [=====>...] - ETA: 0s - loss: 0.1323
170/1149 [==>...] - ETA: 0s - loss: 0.1416
610/1149 [=====>...] - ETA: 0s - loss: 0.1412
710/1149 [=====>...] - ETA: 0s - loss: 0.3378
690/1148 [=====>...] - ETA: 0s - loss: 0.0904
1080/1148 [=====>..] - ETA: 0s - loss: 0.0870
750/1149 [=====>...] - ETA: 0s - loss: 0.1336
660/1149 [=====>...] - ETA: 0s - loss: 0.1373
750/1149 [=====>...] - ETA: 0s - loss: 0.3338
210/1149 [====>...] - ETA: 0s - loss: 0.1361
730/1148 [=====>...] - ETA: 0s - loss: 0.0894
1130/1148 [=====>.] - ETA: 0s - loss: 0.0860
780/1149 [=====>...] - ETA: 0s - loss: 0.1319
690/1149 [=====>...] - ETA: 0s - loss: 0.1346
1148/1148 [=====] - 1s 456us/step - loss: 0.0860

770/1149 [=====>...] - ETA: 0s - loss: 0.3339
250/1149 [=====>...] - ETA: 0s - loss: 0.1435
770/1148 [=====>...] - ETA: 0s - loss: 0.0871
830/1149 [=====>...] - ETA: 0s - loss: 0.1298
840/1149 [=====>...] - ETA: 0s - loss: 0.3333
770/1149 [=====>...] - ETA: 0s - loss: 0.1276
860/1148 [=====>...] - ETA: 0s - loss: 0.0870
890/1149 [=====>...] - ETA: 0s - loss: 0.1302
290/1149 [=====>...] - ETA: 1s - loss: 0.1466
920/1149 [=====>...] - ETA: 0s - loss: 0.3253
830/1149 [=====>...] - ETA: 0s - loss: 0.1270
970/1148 [=====>...] - ETA: 0s - loss: 0.0860
1070/1149 [=====>...] - ETA: 0s - loss: 0.1330
420/1149 [=====>...] - ETA: 0s - loss: 0.1526
1149/1149 [=====] - 1s 490us/step - loss: 0.1380
Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.1310
1130/1149 [=====>.] - ETA: 0s - loss: 0.3103
1020/1149 [=====>...] - ETA: 0s - loss: 0.1244
1149/1149 [=====] - 1s 514us/step - loss: 0.3123
Epoch 4/20

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10/1149 [...] - ETA: 0s - loss: 0.2717
1120/1148 [=====>...] - ETA: 0s - loss: 0.0855
1148/1148 [=====] - 1s 509us/step - loss: 0.0860

560/1149 [=====>...] - ETA: 0s - loss: 0.1690Epoch 6/20

10/1148 [...] - ETA: 0s - loss: 0.1287
1149/1149 [=====] - 1s 517us/step - loss: 0.1220

170/1149 [===>...] - ETA: 0s - loss: 0.1500
170/1149 [===>...] - ETA: 0s - loss: 0.2750
700/1149 [=====>...] - ETA: 0s - loss: 0.1657
150/1148 [==>...] - ETA: 0s - loss: 0.0830
330/1149 [=====>...] - ETA: 0s - loss: 0.1491
310/1149 [=====>...] - ETA: 0s - loss: 0.2628
840/1149 [=====>...] - ETA: 0s - loss: 0.1829
300/1148 [=====>...] - ETA: 0s - loss: 0.0784
480/1149 [=====>...] - ETA: 0s - loss: 0.1337
490/1149 [=====>...] - ETA: 0s - loss: 0.2411
1060/1149 [=====>...] - ETA: 0s - loss: 0.1752
460/1148 [=====>...] - ETA: 0s - loss: 0.0790
660/1149 [=====>...] - ETA: 0s - loss: 0.1276
1149/1149 [=====] - 1s 557us/step - loss: 0.1718

690/1149 [=====>...] - ETA: 0s - loss: 0.2479Epoch 5/20

10/1149 [...] - ETA: 1s - loss: 0.0892
630/1148 [=====>...] - ETA: 0s - loss: 0.0818
820/1149 [=====>...] - ETA: 0s - loss: 0.1384
860/1149 [=====>...] - ETA: 0s - loss: 0.2600
190/1149 [===>...] - ETA: 0s - loss: 0.1488
850/1148 [=====>...] - ETA: 0s - loss: 0.0852
1090/1149 [=====>...] - ETA: 0s - loss: 0.1392
1060/1149 [=====>...] - ETA: 0s - loss: 0.2526
1149/1149 [=====] - 0s 286us/step - loss: 0.1368
Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.2463
360/1149 [=====>...] - ETA: 0s - loss: 0.1450
1050/1148 [=====>...] - ETA: 0s - loss: 0.0842
1149/1149 [=====] - 0s 298us/step - loss: 0.2518
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.2411
210/1149 [===>...] - ETA: 0s - loss: 0.1369
560/1149 [=====>...] - ETA: 0s - loss: 0.1405
1148/1148 [=====] - 0s 305us/step - loss: 0.0829
Epoch 7/20

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10/1148 [...] - ETA: 0s - loss: 0.0685
220/1149 [====>...] - ETA: 0s - loss: 0.2200
750/1149 [=====>...] - ETA: 0s - loss: 0.1501
360/1149 [=====>...] - ETA: 0s - loss: 0.1358
170/1148 [===>...] - ETA: 0s - loss: 0.0957
410/1149 [=====>...] - ETA: 0s - loss: 0.2300
940/1149 [=====>...] - ETA: 0s - loss: 0.1619
520/1149 [=====>...] - ETA: 0s - loss: 0.1239
330/1148 [=====>...] - ETA: 0s - loss: 0.0824
620/1149 [=====>...] - ETA: 0s - loss: 0.2238
1120/1149 [=====>.] - ETA: 0s - loss: 0.1564
720/1149 [=====>...] - ETA: 0s - loss: 0.1321
1149/1149 [=====] - 0s 285us/step - loss: 0.1563
Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.1191
550/1148 [=====>...] - ETA: 0s - loss: 0.0797
750/1149 [=====>...] - ETA: 0s - loss: 0.2260
900/1149 [=====>...] - ETA: 0s - loss: 0.1329
710/1148 [=====>...] - ETA: 0s - loss: 0.0824
170/1149 [===>...] - ETA: 0s - loss: 0.1488
910/1149 [=====>...] - ETA: 0s - loss: 0.2303
1040/1149 [=====>...] - ETA: 0s - loss: 0.1374
930/1148 [=====>...] - ETA: 0s - loss: 0.0799
340/1149 [=====>...] - ETA: 0s - loss: 0.1375
1149/1149 [=====] - 0s 294us/step - loss: 0.1359

1080/1149 [=====>..] - ETA: 0s - loss: 0.2247Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.0323
1149/1149 [=====] - 0s 287us/step - loss: 0.2212
Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.0975
490/1149 [=====>...] - ETA: 0s - loss: 0.1413
1130/1148 [=====>.] - ETA: 0s - loss: 0.0815
1148/1148 [=====] - 0s 276us/step - loss: 0.0814
Epoch 8/20

10/1148 [...] - ETA: 0s - loss: 0.0186Epoch 1/20

10/1149 [...] - ETA: 57s - loss: 0.3676
200/1149 [====>...] - ETA: 0s - loss: 0.1430
170/1149 [===>...] - ETA: 0s - loss: 0.2140
650/1149 [=====>...] - ETA: 0s - loss: 0.1403
220/1148 [====>...] - ETA: 0s - loss: 0.0682
150/1149 [==>...] - ETA: 3s - loss: 1.1271

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410/1149 [=====>...] - ETA: 0s - loss: 0.1322
400/1149 [=====>...] - ETA: 0s - loss: 0.2077Epoch 1/20

10/1149 [...] - ETA: 53s - loss: 1.3722
820/1149 [=====>...] - ETA: 0s - loss: 0.1406
410/1148 [=====>...] - ETA: 0s - loss: 0.0873
290/1149 [=====>...] - ETA: 1s - loss: 1.1908
580/1149 [=====>...] - ETA: 0s - loss: 0.1422Epoch 1/5

20/1148 [...] - ETA: 23s - loss: 0.3231
610/1149 [=====>...] - ETA: 0s - loss: 0.2140
120/1149 [==>...] - ETA: 4s - loss: 1.1847
980/1149 [=====>...] - ETA: 0s - loss: 0.1411
580/1148 [=====>...] - ETA: 0s - loss: 0.0833
510/1149 [=====>...] - ETA: 0s - loss: 1.1700
740/1149 [=====>...] - ETA: 0s - loss: 0.1411Epoch 1/5

20/1149 [...] - ETA: 22s - loss: 1.1024
220/1148 [====>...] - ETA: 2s - loss: 0.3821
840/1149 [=====>...] - ETA: 0s - loss: 0.2097
1149/1149 [=====] - 0s 313us/step - loss: 0.1512
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.1731
270/1149 [=====>...] - ETA: 1s - loss: 1.0736
750/1148 [=====>...] - ETA: 0s - loss: 0.0836
710/1149 [=====>...] - ETA: 0s - loss: 1.1786
940/1149 [=====>...] - ETA: 0s - loss: 0.1416
140/1149 [==>...] - ETA: 3s - loss: 0.9801
1000/1149 [=====>...] - ETA: 0s - loss: 0.2001
460/1148 [=====>...] - ETA: 0s - loss: 0.3632
220/1149 [====>...] - ETA: 0s - loss: 0.1618
450/1149 [=====>...] - ETA: 0s - loss: 1.1945
930/1148 [=====>...] - ETA: 0s - loss: 0.0822
930/1149 [=====>...] - ETA: 0s - loss: 1.1814
1120/1149 [=====>.] - ETA: 0s - loss: 0.1346
1149/1149 [=====] - 0s 263us/step - loss: 0.1998

280/1149 [=====>...] - ETA: 1s - loss: 1.1408Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.1270
1149/1149 [=====] - 0s 282us/step - loss: 0.1345
Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.1123
740/1148 [=====>...] - ETA: 0s - loss: 0.3567
380/1149 [=====>...] - ETA: 0s - loss: 0.1917
650/1149 [=====>...] - ETA: 0s - loss: 1.1737

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1080/1148 [=====>..] - ETA: 0s - loss: 0.0820  
1130/1149 [=====>.] - ETA: 0s - loss: 1.1163  
1149/1149 [=====] - 1s 715us/step - loss: 1.1214  
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 0.5167  
460/1149 [=====>...] - ETA: 0s - loss: 1.0517  
190/1149 [===>...] - ETA: 0s - loss: 0.1653  
1148/1148 [=====] - 0s 292us/step - loss: 0.0805  
Epoch 9/20

10/1148 [...] - ETA: 0s - loss: 0.0785  
220/1149 [====>...] - ETA: 0s - loss: 0.0968  
980/1148 [=====>...] - ETA: 0s - loss: 0.3590  
600/1149 [=====>...] - ETA: 0s - loss: 0.1621  
820/1149 [=====>...] - ETA: 0s - loss: 1.1708  
230/1149 [=====>...] - ETA: 0s - loss: 0.8833  
390/1149 [=====>...] - ETA: 0s - loss: 0.1807  
430/1149 [=====>...] - ETA: 0s - loss: 0.1155  
600/1149 [=====>...] - ETA: 0s - loss: 1.1042  
200/1148 [=====>...] - ETA: 0s - loss: 0.0911  
1148/1148 [=====] - 1s 596us/step - loss: 0.3583  
Epoch 2/5

20/1148 [...] - ETA: 0s - loss: 0.3419  
780/1149 [=====>...] - ETA: 0s - loss: 0.1534  
1020/1149 [=====>...] - ETA: 0s - loss: 1.1097  
450/1149 [=====>...] - ETA: 0s - loss: 1.0598  
560/1149 [=====>...] - ETA: 0s - loss: 0.1834  
620/1149 [=====>...] - ETA: 0s - loss: 0.1180  
380/1148 [=====>...] - ETA: 0s - loss: 0.0810  
840/1149 [=====>...] - ETA: 0s - loss: 1.1604  
1149/1149 [=====] - 1s 720us/step - loss: 1.0702

360/1148 [=====>...] - ETA: 0s - loss: 0.3473Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 1.5138  
980/1149 [=====>...] - ETA: 0s - loss: 0.1478  
630/1149 [=====>...] - ETA: 0s - loss: 1.0274  
750/1149 [=====>...] - ETA: 0s - loss: 0.1798  
800/1149 [=====>...] - ETA: 0s - loss: 0.1204  
580/1148 [=====>...] - ETA: 0s - loss: 0.0777  
1080/1149 [=====>..] - ETA: 0s - loss: 1.1796  
1149/1149 [=====] - 0s 266us/step - loss: 0.1474

210/1149 [=====>...] - ETA: 0s - loss: 1.1372  
660/1148 [=====>...] - ETA: 0s - loss: 0.3227Epoch 8/20

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10/1149 [...] - ETA: 0s - loss: 0.1334
1149/1149 [=====] - 1s 632us/step - loss: 1.1806
Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 0.4998
790/1149 [=====>...] - ETA: 0s - loss: 0.9547
920/1149 [=====>...] - ETA: 0s - loss: 0.1819
970/1149 [=====>...] - ETA: 0s - loss: 0.1328
780/1148 [=====>...] - ETA: 0s - loss: 0.0813
960/1148 [=====>...] - ETA: 0s - loss: 0.3008
390/1149 [=====>...] - ETA: 0s - loss: 0.9513
200/1149 [=====>...] - ETA: 0s - loss: 0.1857
240/1149 [=====>...] - ETA: 0s - loss: 1.1766
1120/1149 [=====>.] - ETA: 0s - loss: 0.1843
980/1149 [=====>...] - ETA: 0s - loss: 0.9131
1149/1149 [=====] - 0s 273us/step - loss: 0.1833

1149/1149 [=====] - 0s 270us/step - loss: 0.1330
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.0810
990/1148 [=====>...] - ETA: 0s - loss: 0.0800Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.0430
470/1149 [=====>...] - ETA: 0s - loss: 0.8466
1148/1148 [=====] - 0s 181us/step - loss: 0.2904

430/1149 [=====>...] - ETA: 0s - loss: 0.1792Epoch 3/5

20/1148 [...] - ETA: 0s - loss: 0.1682
480/1149 [=====>...] - ETA: 0s - loss: 1.1316
1149/1149 [=====] - 0s 265us/step - loss: 0.8540

1148/1148 [=====] - 0s 259us/step - loss: 0.0799
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.5063Epoch 10/20

10/1148 [...] - ETA: 0s - loss: 0.0704
220/1149 [=====>...] - ETA: 0s - loss: 0.1400
210/1149 [=====>...] - ETA: 0s - loss: 0.1850
560/1149 [=====>...] - ETA: 0s - loss: 0.8168
660/1149 [=====>...] - ETA: 0s - loss: 0.1577
260/1148 [=====>...] - ETA: 0s - loss: 0.2263
760/1149 [=====>...] - ETA: 0s - loss: 1.1413
210/1148 [=====>...] - ETA: 0s - loss: 0.0889
170/1149 [=====>...] - ETA: 0s - loss: 0.4744
390/1149 [=====>...] - ETA: 0s - loss: 0.1817

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420/1149 [=====>...] - ETA: 0s - loss: 0.1430
830/1149 [=====>...] - ETA: 0s - loss: 0.1555
690/1149 [=====>...] - ETA: 0s - loss: 0.7896
600/1148 [=====>...] - ETA: 0s - loss: 0.2217
1140/1149 [=====>.] - ETA: 0s - loss: 1.0995
1149/1149 [=====] - 0s 184us/step - loss: 1.1000
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 0.5515
430/1148 [=====>...] - ETA: 0s - loss: 0.0779
290/1149 [=====>...] - ETA: 0s - loss: 0.4400
610/1149 [=====>...] - ETA: 0s - loss: 0.1324
560/1149 [=====>...] - ETA: 0s - loss: 0.1791
830/1149 [=====>...] - ETA: 0s - loss: 0.8030
990/1149 [=====>...] - ETA: 0s - loss: 0.1496
900/1148 [=====>...] - ETA: 0s - loss: 0.2178
320/1149 [=====>...] - ETA: 0s - loss: 0.8130
610/1148 [=====>...] - ETA: 0s - loss: 0.0813
420/1149 [=====>...] - ETA: 0s - loss: 0.4570
1148/1148 [=====] - 0s 173us/step - loss: 0.2042

760/1149 [=====>...] - ETA: 0s - loss: 0.1767
800/1149 [=====>...] - ETA: 0s - loss: 0.1309Epoch 4/5

20/1148 [...] - ETA: 0s - loss: 0.1251
1149/1149 [=====] - 0s 266us/step - loss: 0.1461

990/1149 [=====>...] - ETA: 0s - loss: 0.7781Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.0833
620/1149 [=====>...] - ETA: 0s - loss: 0.8778
770/1148 [=====>...] - ETA: 0s - loss: 0.0772
580/1149 [=====>...] - ETA: 0s - loss: 0.4423
1149/1149 [=====] - 0s 352us/step - loss: 0.7618

920/1149 [=====>...] - ETA: 0s - loss: 0.1743
950/1149 [=====>...] - ETA: 0s - loss: 0.1382Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.6877
380/1148 [=====>...] - ETA: 0s - loss: 0.1645
160/1149 [====>...] - ETA: 0s - loss: 0.1232
1000/1149 [=====>...] - ETA: 0s - loss: 0.8516
920/1148 [=====>...] - ETA: 0s - loss: 0.0795
700/1149 [=====>...] - ETA: 0s - loss: 0.4190
1060/1149 [=====>...] - ETA: 0s - loss: 0.1353
1050/1149 [=====>...] - ETA: 0s - loss: 0.1726
180/1149 [====>...] - ETA: 0s - loss: 0.4675
700/1148 [=====>...] - ETA: 0s - loss: 0.1546

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1149/1149 [=====] - 0s 169us/step - loss: 0.8616  
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.2535  
310/1149 [=====>...] - ETA: 0s - loss: 0.1501  
1149/1149 [=====] - 0s 295us/step - loss: 0.1322

1060/1148 [=====>...] - ETA: 0s - loss: 0.0794  
900/1149 [=====>...] - ETA: 0s - loss: 0.3779  
1149/1149 [=====] - 0s 312us/step - loss: 0.1706  
Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.2814  
350/1149 [=====>...] - ETA: 0s - loss: 0.4908  
1060/1148 [=====>...] - ETA: 0s - loss: 0.1510  
360/1149 [=====>...] - ETA: 0s - loss: 0.5830  
480/1149 [=====>...] - ETA: 0s - loss: 0.1370  
1148/1148 [=====] - 0s 150us/step - loss: 0.1463  
  
1148/1148 [=====] - 0s 300us/step - loss: 0.0796  
Epoch 5/5

20/1148 [...] - ETA: 0s - loss: 0.0970Epoch 11/20

10/1148 [...] - ETA: 0s - loss: 0.0550  
1080/1149 [=====>...] - ETA: 0s - loss: 0.3508  
540/1149 [=====>...] - ETA: 0s - loss: 0.4716  
150/1149 [==>...] - ETA: 0s - loss: 0.1523  
1149/1149 [=====] - 0s 334us/step - loss: 0.3375

740/1149 [=====>...] - ETA: 0s - loss: 0.5619Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.2886  
680/1149 [=====>...] - ETA: 0s - loss: 0.1314  
200/1148 [====>...] - ETA: 0s - loss: 0.0648  
420/1148 [=====>...] - ETA: 0s - loss: 0.1197  
730/1149 [=====>...] - ETA: 0s - loss: 0.4128  
330/1149 [=====>...] - ETA: 0s - loss: 0.1499  
1080/1149 [=====>...] - ETA: 0s - loss: 0.5320  
170/1149 [====>...] - ETA: 0s - loss: 0.2135  
880/1149 [=====>...] - ETA: 0s - loss: 0.1340  
410/1148 [=====>...] - ETA: 0s - loss: 0.0691  
760/1148 [=====>...] - ETA: 0s - loss: 0.1141  
1149/1149 [=====] - 0s 148us/step - loss: 0.5322  
Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 0.4001  
900/1149 [=====>...] - ETA: 0s - loss: 0.3846

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550/1149 [=====>...] - ETA: 0s - loss: 0.1514
1040/1149 [=====>...] - ETA: 0s - loss: 0.1453
320/1149 [=====>...] - ETA: 0s - loss: 0.2186
590/1148 [=====>...] - ETA: 0s - loss: 0.0816
1020/1148 [=====>...] - ETA: 0s - loss: 0.1213
320/1149 [=====>...] - ETA: 0s - loss: 0.3857
1148/1148 [=====] - 0s 155us/step - loss: 0.1289

1149/1149 [=====] - 0s 307us/step - loss: 0.1430
Epoch 10/20

```

```

10/1149 [...] - ETA: 0s - loss: 0.2113
1060/1149 [=====>...] - ETA: 0s - loss: 0.3718
790/1149 [=====>...] - ETA: 0s - loss: 0.1504
460/1149 [=====>...] - ETA: 0s - loss: 0.2097
770/1148 [=====>...] - ETA: 0s - loss: 0.0793
680/1149 [=====>...] - ETA: 0s - loss: 0.3231
1149/1149 [=====] - 0s 300us/step - loss: 0.3580
Epoch 4/20

```

```

10/1149 [...] - ETA: 0s - loss: 0.1380
220/1149 [====>...] - ETA: 0s - loss: 0.1624
970/1149 [=====>...] - ETA: 0s - loss: 0.1522
650/1149 [=====>...] - ETA: 0s - loss: 0.1966
950/1148 [=====>...] - ETA: 0s - loss: 0.0791
1120/1149 [=====>.] - ETA: 0s - loss: 0.2901
1149/1149 [=====] - 0s 141us/step - loss: 0.2894

```

```

180/1149 [===>...] - ETA: 0s - loss: 0.1871
410/1149 [=====>...] - ETA: 0s - loss: 0.1335
1149/1149 [=====] - 0s 277us/step - loss: 0.1603
Epoch 10/20

```

```

10/1149 [...] - ETA: 0s - loss: 0.1387
810/1149 [=====>...] - ETA: 0s - loss: 0.1832
1120/1148 [=====>.] - ETA: 0s - loss: 0.0792
1148/1148 [=====] - 0s 275us/step - loss: 0.0790
Epoch 12/20

```

```

10/1148 [...] - ETA: 0s - loss: 0.2015
390/1149 [=====>...] - ETA: 0s - loss: 0.1960
630/1149 [=====>...] - ETA: 0s - loss: 0.1262
200/1149 [====>...] - ETA: 0s - loss: 0.1619
1000/1149 [=====>...] - ETA: 0s - loss: 0.1808
180/1148 [===>...] - ETA: 0s - loss: 0.0637
600/1149 [=====>...] - ETA: 0s - loss: 0.1957
830/1149 [=====>...] - ETA: 0s - loss: 0.1416
380/1149 [=====>...] - ETA: 0s - loss: 0.1633

```

1149/1149 [=====] - 0s 317us/step - loss: 0.1780  
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.1892  
370/1148 [=====>...] - ETA: 0s - loss: 0.0796  
770/1149 [=====>...] - ETA: 0s - loss: 0.1891  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1417  
570/1149 [=====>...] - ETA: 0s - loss: 0.1615  
190/1149 [===>...] - ETA: 0s - loss: 0.1427  
550/1148 [=====>...] - ETA: 0s - loss: 0.0771  
930/1149 [=====>...] - ETA: 0s - loss: 0.1979  
1149/1149 [=====] - 0s 265us/step - loss: 0.1415  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.0284  
750/1149 [=====>...] - ETA: 0s - loss: 0.1566  
340/1149 [=====>...] - ETA: 0s - loss: 0.1494  
690/1148 [=====>...] - ETA: 0s - loss: 0.0764  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1882  
180/1149 [===>...] - ETA: 0s - loss: 0.0984  
1149/1149 [=====] - 0s 283us/step - loss: 0.1895  
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.2674  
930/1149 [=====>...] - ETA: 0s - loss: 0.1568  
510/1149 [=====>...] - ETA: 0s - loss: 0.1630  
830/1148 [=====>...] - ETA: 0s - loss: 0.0757  
310/1149 [=====>...] - ETA: 0s - loss: 0.1092  
600/1149 [=====>...] - ETA: 0s - loss: 0.1565  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1518  
120/1149 [==>...] - ETA: 0s - loss: 0.1466  
890/1148 [=====>...] - ETA: 0s - loss: 0.0779  
370/1149 [=====>...] - ETA: 0s - loss: 0.1134  
660/1149 [=====>...] - ETA: 0s - loss: 0.1542  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1507  
190/1149 [===>...] - ETA: 0s - loss: 0.1417  
960/1148 [=====>...] - ETA: 0s - loss: 0.0798  
420/1149 [=====>...] - ETA: 0s - loss: 0.1316  
1149/1149 [=====] - 0s 375us/step - loss: 0.1531

710/1149 [=====>...] - ETA: 0s - loss: 0.1520  
250/1149 [=====>...] - ETA: 0s - loss: 0.1832Epoch 11/20

10/1149 [...] - ETA: 1s - loss: 0.0689  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0789  
490/1149 [=====>...] - ETA: 0s - loss: 0.1321  
60/1149 [>...] - ETA: 1s - loss: 0.1474  
770/1149 [=====>...] - ETA: 0s - loss: 0.1623



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320/1149 [=====>...] - ETA: 0s - loss: 0.1641
1070/1148 [=====>...] - ETA: 0s - loss: 0.0788
520/1149 [=====>...] - ETA: 0s - loss: 0.1304
110/1149 [=>...] - ETA: 1s - loss: 0.1304
400/1149 [=====>...] - ETA: 0s - loss: 0.1703
830/1149 [=====>...] - ETA: 0s - loss: 0.1607
1140/1148 [=====>.] - ETA: 0s - loss: 0.0795
580/1149 [=====>...] - ETA: 0s - loss: 0.1401
1148/1148 [=====] - 1s 498us/step - loss: 0.0792

150/1149 [==>...] - ETA: 1s - loss: 0.1313Epoch 13/20

10/1148 [...] - ETA: 1s - loss: 0.0846
460/1149 [=====>...] - ETA: 0s - loss: 0.1637
900/1149 [=====>...] - ETA: 0s - loss: 0.1683
720/1149 [=====>...] - ETA: 0s - loss: 0.1443
330/1149 [=====>...] - ETA: 0s - loss: 0.1302
210/1148 [=====>...] - ETA: 0s - loss: 0.0769
640/1149 [=====>...] - ETA: 0s - loss: 0.1526
1090/1149 [=====>..] - ETA: 0s - loss: 0.1589
1149/1149 [=====] - 1s 507us/step - loss: 0.1560

890/1149 [=====>...] - ETA: 0s - loss: 0.1402Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.0749Epoch 1/5

20/1149 [...] - ETA: 33s - loss: 0.3780
510/1149 [=====>...] - ETA: 0s - loss: 0.1311
380/1148 [=====>...] - ETA: 0s - loss: 0.0763
830/1149 [=====>...] - ETA: 0s - loss: 0.1477
1090/1149 [=====>..] - ETA: 0s - loss: 0.1399
230/1149 [=====>...] - ETA: 0s - loss: 0.1776
280/1149 [=====>...] - ETA: 1s - loss: 0.9799 Epoch 1/5

20/1149 [...] - ETA: 32s - loss: 0.3979
710/1149 [=====>...] - ETA: 0s - loss: 0.1325
570/1148 [=====>...] - ETA: 0s - loss: 0.0758
1030/1149 [=====>...] - ETA: 0s - loss: 0.1513
1149/1149 [=====] - 1s 496us/step - loss: 0.1383
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.2716
1149/1149 [=====] - 1s 467us/step - loss: 0.1442

420/1149 [=====>...] - ETA: 0s - loss: 0.1624Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.0989
680/1149 [=====>...] - ETA: 0s - loss: 1.1443

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930/1149 [=====>...] - ETA: 0s - loss: 0.1413  
260/1149 [=====>...] - ETA: 2s - loss: 1.0667  
760/1148 [=====>...] - ETA: 0s - loss: 0.0784  
200/1149 [=====>...] - ETA: 0s - loss: 0.1620  
610/1149 [=====>...] - ETA: 0s - loss: 0.1472  
200/1149 [=====>...] - ETA: 0s - loss: 0.1290  
1080/1149 [=====>..] - ETA: 0s - loss: 1.1969  
1149/1149 [=====] - 0s 373us/step - loss: 0.1467  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1401  
950/1148 [=====>...] - ETA: 0s - loss: 0.0771  
1149/1149 [=====] - 1s 655us/step - loss: 1.1736

500/1149 [=====>...] - ETA: 0s - loss: 1.1145Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 1.4650  
410/1149 [=====>...] - ETA: 0s - loss: 0.1524  
810/1149 [=====>...] - ETA: 0s - loss: 0.1521  
360/1149 [=====>...] - ETA: 0s - loss: 0.1465  
230/1149 [=====>...] - ETA: 0s - loss: 0.1440  
1140/1148 [=====>..] - ETA: 0s - loss: 0.0791  
1148/1148 [=====] - 0s 280us/step - loss: 0.0787  
Epoch 14/20

10/1148 [...] - ETA: 0s - loss: 0.0371  
360/1149 [=====>...] - ETA: 0s - loss: 1.1435  
680/1149 [=====>...] - ETA: 0s - loss: 1.1463Epoch 1/5

20/1149 [...] - ETA: 32s - loss: 2.3824  
610/1149 [=====>...] - ETA: 0s - loss: 0.1397  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1469  
540/1149 [=====>...] - ETA: 0s - loss: 0.1396  
450/1149 [=====>...] - ETA: 0s - loss: 0.1339  
220/1148 [=====>...] - ETA: 0s - loss: 0.0995  
700/1149 [=====>...] - ETA: 0s - loss: 1.0526  
900/1149 [=====>...] - ETA: 0s - loss: 1.1769  
830/1149 [=====>...] - ETA: 0s - loss: 0.1328  
140/1149 [==>...] - ETA: 4s - loss: 1.1239  
1149/1149 [=====] - 0s 254us/step - loss: 0.1448  
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.1309  
760/1149 [=====>...] - ETA: 0s - loss: 0.1386  
670/1149 [=====>...] - ETA: 0s - loss: 0.1375  
1149/1149 [=====] - 1s 733us/step - loss: 1.1333  
Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 0.5492  
420/1148 [=====>...] - ETA: 0s - loss: 0.0876  
1000/1149 [=====>...] - ETA: 0s - loss: 1.0535  
260/1149 [=====>...] - ETA: 2s - loss: 1.0949  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1321  
220/1149 [=====>...] - ETA: 0s - loss: 0.1144  
1149/1149 [=====] - 0s 158us/step - loss: 1.0871  
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 0.7263  
1149/1149 [=====] - 0s 251us/step - loss: 0.1377

970/1149 [=====>...] - ETA: 0s - loss: 0.1402Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.1091  
830/1149 [=====>...] - ETA: 0s - loss: 0.1386  
340/1149 [=====>...] - ETA: 0s - loss: 0.9120  
610/1148 [=====>...] - ETA: 0s - loss: 0.0855  
440/1149 [=====>...] - ETA: 1s - loss: 1.2184  
410/1149 [=====>...] - ETA: 0s - loss: 0.1214  
1149/1149 [=====] - 0s 265us/step - loss: 0.1336  
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.0985  
360/1149 [=====>...] - ETA: 0s - loss: 1.0195  
170/1149 [=====>...] - ETA: 0s - loss: 0.1575  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1366  
700/1149 [=====>...] - ETA: 0s - loss: 1.0640  
800/1148 [=====>...] - ETA: 0s - loss: 0.0823  
660/1149 [=====>...] - ETA: 0s - loss: 1.1456  
630/1149 [=====>...] - ETA: 0s - loss: 0.1308  
210/1149 [=====>...] - ETA: 0s - loss: 0.1447  
660/1149 [=====>...] - ETA: 0s - loss: 0.9022  
1149/1149 [=====] - 0s 262us/step - loss: 0.1410

360/1149 [=====>...] - ETA: 0s - loss: 0.1589Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.1123  
1020/1149 [=====>...] - ETA: 0s - loss: 1.1133  
1030/1148 [=====>...] - ETA: 0s - loss: 0.0794  
800/1149 [=====>...] - ETA: 0s - loss: 1.0962  
830/1149 [=====>...] - ETA: 0s - loss: 0.1324  
1149/1149 [=====] - 0s 154us/step - loss: 1.0814  
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 1.1006  
430/1149 [=====>...] - ETA: 0s - loss: 0.1448  
1148/1148 [=====] - 0s 250us/step - loss: 0.0783

Epoch 15/20

10/1148 [...] - ETA: 0s - loss: 0.0505  
940/1149 [=====>...] - ETA: 0s - loss: 0.8455  
570/1149 [=====>...] - ETA: 0s - loss: 0.1450  
130/1149 [==>...] - ETA: 0s - loss: 0.1574  
1149/1149 [=====] - 0s 171us/step - loss: 0.7798  
  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1280Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.5885  
1020/1149 [=====>...] - ETA: 0s - loss: 1.1005  
670/1149 [=====>...] - ETA: 0s - loss: 0.1336  
240/1148 [=====>...] - ETA: 0s - loss: 0.0856  
400/1149 [=====>...] - ETA: 0s - loss: 0.9211  
290/1149 [=====>...] - ETA: 0s - loss: 0.1474  
750/1149 [=====>...] - ETA: 0s - loss: 0.1391  
1149/1149 [=====] - 0s 250us/step - loss: 0.1389  
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.0685  
1149/1149 [=====] - 1s 816us/step - loss: 1.0932  
Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 0.3828  
320/1149 [=====>...] - ETA: 0s - loss: 0.5068  
870/1149 [=====>...] - ETA: 0s - loss: 0.1298  
460/1148 [=====>...] - ETA: 0s - loss: 0.0831  
700/1149 [=====>...] - ETA: 0s - loss: 0.8392  
950/1149 [=====>...] - ETA: 0s - loss: 0.1349  
500/1149 [=====>...] - ETA: 0s - loss: 0.1583  
200/1149 [=====>...] - ETA: 0s - loss: 0.1519  
220/1149 [=====>...] - ETA: 0s - loss: 1.1616  
620/1149 [=====>...] - ETA: 0s - loss: 0.4220  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1336  
680/1148 [=====>...] - ETA: 0s - loss: 0.0798  
1040/1149 [=====>...] - ETA: 0s - loss: 0.8832  
730/1149 [=====>...] - ETA: 0s - loss: 0.1480  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1357  
1149/1149 [=====] - 0s 277us/step - loss: 0.1359

380/1149 [=====>...] - ETA: 0s - loss: 0.1391Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0569  
1149/1149 [=====] - 0s 158us/step - loss: 0.8783  
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 1.5383

1149/1149 [=====] - 0s 250us/step - loss: 0.1295  
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.1223  
400/1149 [=====>...] - ETA: 0s - loss: 0.9544  
920/1149 [=====>...] - ETA: 0s - loss: 0.3954  
880/1148 [=====>...] - ETA: 0s - loss: 0.0786  
910/1149 [=====>...] - ETA: 0s - loss: 0.1392  
550/1149 [=====>...] - ETA: 0s - loss: 0.1325  
160/1149 [====>...] - ETA: 0s - loss: 0.1381  
220/1149 [====>...] - ETA: 0s - loss: 0.6331  
230/1149 [=====>...] - ETA: 0s - loss: 0.0876  
1149/1149 [=====] - 0s 171us/step - loss: 0.3722  
Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 0.2584  
760/1149 [=====>...] - ETA: 0s - loss: 1.0713  
1060/1148 [=====>...] - ETA: 0s - loss: 0.0770  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1394  
730/1149 [=====>...] - ETA: 0s - loss: 0.1247  
330/1149 [=====>...] - ETA: 0s - loss: 0.1348  
1149/1149 [=====] - 0s 179us/step - loss: 1.0016

1148/1148 [=====] - 0s 246us/step - loss: 0.0785

420/1149 [=====>...] - ETA: 0s - loss: 0.1003Epoch 16/20

10/1148 [...] - ETA: 0s - loss: 0.0234  
320/1149 [=====>...] - ETA: 0s - loss: 0.5929Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 0.4862  
320/1149 [=====>...] - ETA: 0s - loss: 0.1777  
1149/1149 [=====] - 0s 302us/step - loss: 0.1374  
Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0260  
920/1149 [=====>...] - ETA: 0s - loss: 0.1272  
520/1149 [=====>...] - ETA: 0s - loss: 0.1333  
200/1148 [====>...] - ETA: 0s - loss: 0.0696  
600/1149 [=====>...] - ETA: 0s - loss: 0.6041  
590/1149 [=====>...] - ETA: 0s - loss: 0.1202  
660/1149 [=====>...] - ETA: 0s - loss: 0.1766  
420/1149 [=====>...] - ETA: 0s - loss: 0.8444  
190/1149 [====>...] - ETA: 0s - loss: 0.1010  
700/1149 [=====>...] - ETA: 0s - loss: 0.1392  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1361  
350/1148 [=====>...] - ETA: 0s - loss: 0.0685  
1100/1149 [=====>...] - ETA: 0s - loss: 0.5653

730/1149 [=====>...] - ETA: 0s - loss: 0.1213  
940/1149 [=====>...] - ETA: 0s - loss: 0.1826  
720/1149 [=====>...] - ETA: 0s - loss: 0.7322  
1149/1149 [=====] - 0s 193us/step - loss: 0.5549  
Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 0.6765  
340/1149 [=====>...] - ETA: 0s - loss: 0.1212  
1149/1149 [=====] - 0s 305us/step - loss: 0.1353  
Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.0381  
1149/1149 [=====] - 0s 164us/step - loss: 0.1797

900/1149 [=====>...] - ETA: 0s - loss: 0.1365  
500/1148 [=====>...] - ETA: 0s - loss: 0.0692  
860/1149 [=====>...] - ETA: 0s - loss: 0.1236  
1060/1149 [=====>...] - ETA: 0s - loss: 0.7134  
420/1149 [=====>...] - ETA: 0s - loss: 0.3311  
510/1149 [=====>...] - ETA: 0s - loss: 0.1144  
1149/1149 [=====] - 0s 155us/step - loss: 0.6929  
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.7204  
220/1149 [=====>...] - ETA: 0s - loss: 0.1100  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1362  
720/1148 [=====>...] - ETA: 0s - loss: 0.0732  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1268  
620/1149 [=====>...] - ETA: 0s - loss: 0.3008  
660/1149 [=====>...] - ETA: 0s - loss: 0.1174  
480/1149 [=====>...] - ETA: 0s - loss: 0.4846  
1149/1149 [=====] - 0s 293us/step - loss: 0.1257  
Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.1828  
1149/1149 [=====] - 0s 304us/step - loss: 0.1352

450/1149 [=====>...] - ETA: 0s - loss: 0.1078Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.3447  
890/1148 [=====>...] - ETA: 0s - loss: 0.0735  
960/1149 [=====>...] - ETA: 0s - loss: 0.3177  
830/1149 [=====>...] - ETA: 0s - loss: 0.1269  
880/1149 [=====>...] - ETA: 0s - loss: 0.4205  
210/1149 [=====>...] - ETA: 0s - loss: 0.1353  
190/1149 [=====>...] - ETA: 0s - loss: 0.1219  
640/1149 [=====>...] - ETA: 0s - loss: 0.1039  
1149/1149 [=====] - 0s 161us/step - loss: 0.3048

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1060/1148 [=====>...] - ETA: 0s - loss: 0.0778
1149/1149 [=====] - 0s 126us/step - loss: 0.4093
Epoch 5/5

 20/1149 [...] - ETA: 0s - loss: 0.4026
1148/1148 [=====] - 0s 287us/step - loss: 0.0782

1030/1149 [=====>...] - ETA: 0s - loss: 0.1318Epoch 17/20

 10/1148 [...] - ETA: 0s - loss: 0.0196
400/1149 [=====>...] - ETA: 0s - loss: 0.1239
400/1149 [=====>...] - ETA: 0s - loss: 0.1170
810/1149 [=====>...] - ETA: 0s - loss: 0.1101
1149/1149 [=====] - 0s 295us/step - loss: 0.1333
Epoch 15/20

 10/1149 [...] - ETA: 0s - loss: 0.2010
460/1149 [=====>...] - ETA: 0s - loss: 0.3349
200/1148 [=====>...] - ETA: 0s - loss: 0.0741
580/1149 [=====>...] - ETA: 0s - loss: 0.1324
590/1149 [=====>...] - ETA: 0s - loss: 0.1346
990/1149 [=====>...] - ETA: 0s - loss: 0.1241
220/1149 [=====>...] - ETA: 0s - loss: 0.1196
740/1149 [=====>...] - ETA: 0s - loss: 0.3505
380/1148 [=====>...] - ETA: 0s - loss: 0.0829
1149/1149 [=====] - 0s 266us/step - loss: 0.1330

770/1149 [=====>...] - ETA: 0s - loss: 0.1209Epoch 10/20

 10/1149 [...] - ETA: 0s - loss: 0.1147
770/1149 [=====>...] - ETA: 0s - loss: 0.1329
410/1149 [=====>...] - ETA: 0s - loss: 0.1258
960/1149 [=====>...] - ETA: 0s - loss: 0.3231
570/1148 [=====>...] - ETA: 0s - loss: 0.0739
210/1149 [=====>...] - ETA: 0s - loss: 0.1390
980/1149 [=====>...] - ETA: 0s - loss: 0.1288
950/1149 [=====>...] - ETA: 0s - loss: 0.1308
580/1149 [=====>...] - ETA: 0s - loss: 0.1361
1149/1149 [=====] - 0s 173us/step - loss: 0.3098

750/1148 [=====>...] - ETA: 0s - loss: 0.0727
1140/1149 [=====>.] - ETA: 0s - loss: 0.1225
380/1149 [=====>...] - ETA: 0s - loss: 0.1575
1149/1149 [=====] - 0s 272us/step - loss: 0.1333
Epoch 16/20

 10/1149 [...] - ETA: 0s - loss: 0.1685

```

1149/1149 [=====] - 0s 277us/step - loss: 0.1228  
Epoch 10/20

10/1149 [...] - ETA: 0s - loss: 0.2485  
760/1149 [=====>...] - ETA: 0s - loss: 0.1361  
940/1148 [=====>...] - ETA: 0s - loss: 0.0745  
570/1149 [=====>...] - ETA: 0s - loss: 0.1369  
170/1149 [=====>...] - ETA: 0s - loss: 0.1391  
180/1149 [=====>...] - ETA: 0s - loss: 0.1136  
980/1149 [=====>...] - ETA: 0s - loss: 0.1328  
1110/1148 [=====>...] - ETA: 0s - loss: 0.0780  
730/1149 [=====>...] - ETA: 0s - loss: 0.1390  
1148/1148 [=====] - 0s 279us/step - loss: 0.0779  
  
340/1149 [=====>...] - ETA: 0s - loss: 0.1303Epoch 18/20

10/1148 [...] - ETA: 0s - loss: 0.0314  
330/1149 [=====>...] - ETA: 0s - loss: 0.1038  
1149/1149 [=====] - 0s 270us/step - loss: 0.1308  
Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0917  
840/1149 [=====>...] - ETA: 0s - loss: 0.1348  
530/1149 [=====>...] - ETA: 0s - loss: 0.1266  
510/1149 [=====>...] - ETA: 0s - loss: 0.1003  
180/1148 [=====>...] - ETA: 0s - loss: 0.0795  
160/1149 [=====>...] - ETA: 0s - loss: 0.1043  
970/1149 [=====>...] - ETA: 0s - loss: 0.1339  
740/1149 [=====>...] - ETA: 0s - loss: 0.1262  
350/1148 [=====>...] - ETA: 0s - loss: 0.0870  
690/1149 [=====>...] - ETA: 0s - loss: 0.1243  
330/1149 [=====>...] - ETA: 0s - loss: 0.1260  
1110/1149 [=====>...] - ETA: 0s - loss: 0.1316  
910/1149 [=====>...] - ETA: 0s - loss: 0.1238  
520/1148 [=====>...] - ETA: 0s - loss: 0.0835  
870/1149 [=====>...] - ETA: 0s - loss: 0.1239  
1149/1149 [=====] - 0s 327us/step - loss: 0.1307  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.1980  
500/1149 [=====>...] - ETA: 0s - loss: 0.1214  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1324  
700/1148 [=====>...] - ETA: 0s - loss: 0.0855  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1243  
220/1149 [=====>...] - ETA: 0s - loss: 0.1118  
1149/1149 [=====] - 0s 284us/step - loss: 0.1328  
Epoch 17/20



10/1149 [...] - ETA: 0s - loss: 0.2768  
710/1149 [=====>...] - ETA: 0s - loss: 0.1169  
1149/1149 [=====] - 0s 291us/step - loss: 0.1204  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.1465  
880/1148 [=====>...] - ETA: 0s - loss: 0.0810  
400/1149 [=====>...] - ETA: 0s - loss: 0.1334  
160/1149 [===>...] - ETA: 0s - loss: 0.1533  
890/1149 [=====>...] - ETA: 0s - loss: 0.1219  
200/1149 [===>...] - ETA: 0s - loss: 0.0937Epoch 1/10

20/1148 [...] - ETA: 24s - loss: 0.5379  
1070/1148 [=====>...] - ETA: 0s - loss: 0.0781  
610/1149 [=====>...] - ETA: 0s - loss: 0.1270  
340/1149 [=====>...] - ETA: 0s - loss: 0.1500  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1311  
390/1149 [=====>...] - ETA: 0s - loss: 0.0958  
1148/1148 [=====] - 0s 298us/step - loss: 0.0777

300/1148 [=====>...] - ETA: 1s - loss: 0.3660 Epoch 19/20

10/1148 [...] - ETA: 0s - loss: 0.1307  
1149/1149 [=====] - 0s 294us/step - loss: 0.1295  
Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.1214Epoch 1/10

20/1149 [...] - ETA: 25s - loss: 1.0743  
820/1149 [=====>...] - ETA: 0s - loss: 0.1259  
500/1149 [=====>...] - ETA: 0s - loss: 0.1416  
620/1149 [=====>...] - ETA: 0s - loss: 0.0988  
580/1148 [=====>...] - ETA: 0s - loss: 0.3728  
180/1148 [===>...] - ETA: 0s - loss: 0.0766  
200/1149 [===>...] - ETA: 0s - loss: 0.1165  
180/1149 [===>...] - ETA: 2s - loss: 1.4724  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1286  
700/1149 [=====>...] - ETA: 0s - loss: 0.1399  
800/1149 [=====>...] - ETA: 0s - loss: 0.1123  
960/1148 [=====>...] - ETA: 0s - loss: 0.3596  
380/1148 [=====>...] - ETA: 0s - loss: 0.0767  
1149/1149 [=====] - 0s 256us/step - loss: 0.1289  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1322  
400/1149 [=====>...] - ETA: 0s - loss: 0.1377  
1148/1148 [=====] - 1s 544us/step - loss: 0.3613  
Epoch 2/10

20/1148 [...] - ETA: 0s - loss: 0.2551  
400/1149 [=====>...] - ETA: 1s - loss: 1.2736  
910/1149 [=====>...] - ETA: 0s - loss: 0.1304  
960/1149 [=====>...] - ETA: 0s - loss: 0.1242  
570/1148 [=====>...] - ETA: 0s - loss: 0.0771  
230/1149 [=====>...] - ETA: 0s - loss: 0.1565  
600/1149 [=====>...] - ETA: 0s - loss: 0.1331  
320/1148 [=====>...] - ETA: 0s - loss: 0.3481  
520/1149 [=====>...] - ETA: 0s - loss: 1.2775  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1326  
1149/1149 [=====] - 0s 265us/step - loss: 0.1191  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1082  
780/1148 [=====>...] - ETA: 0s - loss: 0.0757  
1149/1149 [=====] - 0s 285us/step - loss: 0.1322  
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0923  
440/1149 [=====>...] - ETA: 0s - loss: 0.1415  
780/1149 [=====>...] - ETA: 0s - loss: 0.1305  
680/1148 [=====>...] - ETA: 0s - loss: 0.3085  
200/1149 [=====>...] - ETA: 0s - loss: 0.1354  
780/1149 [=====>...] - ETA: 0s - loss: 1.1607  
1010/1148 [=====>...] - ETA: 0s - loss: 0.0779  
210/1149 [=====>...] - ETA: 0s - loss: 0.1101  
620/1149 [=====>...] - ETA: 0s - loss: 0.1356  
970/1149 [=====>...] - ETA: 0s - loss: 0.1315  
980/1148 [=====>...] - ETA: 0s - loss: 0.3045  
1148/1148 [=====] - 0s 262us/step - loss: 0.0777  
Epoch 20/20

10/1148 [...] - ETA: 0s - loss: 0.1405  
420/1149 [=====>...] - ETA: 0s - loss: 0.1370  
1020/1149 [=====>...] - ETA: 0s - loss: 1.2094  
390/1149 [=====>...] - ETA: 0s - loss: 0.1246  
1149/1149 [=====] - 0s 268us/step - loss: 0.1283  
810/1149 [=====>...] - ETA: 0s - loss: 0.1271Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0665  
1148/1148 [=====] - 0s 176us/step - loss: 0.2930  
1149/1149 [=====] - 1s 653us/step - loss: 1.1887  
Epoch 3/10

20/1148 [...] - ETA: 0s - loss: 0.3452Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 1.5014  
 620/1149 [=====>...] - ETA: 0s - loss: 0.1245  
 200/1148 [====>...] - ETA: 0s - loss: 0.0893  
 580/1149 [=====>...] - ETA: 0s - loss: 0.1189  
 1000/1149 [=====>...] - ETA: 0s - loss: 0.1336  
 220/1149 [====>...] - ETA: 0s - loss: 0.1142  
 340/1148 [=====>...] - ETA: 0s - loss: 0.2010  
 260/1149 [=====>...] - ETA: 0s - loss: 1.2412  
 390/1148 [=====>...] - ETA: 0s - loss: 0.0803  
 820/1149 [=====>...] - ETA: 0s - loss: 0.1185  
 1149/1149 [=====] - 0s 258us/step - loss: 0.1273  
 Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.3024  
 760/1149 [=====>...] - ETA: 0s - loss: 0.1252  
 420/1149 [=====>...] - ETA: 0s - loss: 0.1122  
 640/1148 [=====>...] - ETA: 0s - loss: 0.1995  
 500/1149 [=====>...] - ETA: 0s - loss: 1.1268  
 560/1148 [=====>...] - ETA: 0s - loss: 0.0745  
 1030/1149 [=====>...] - ETA: 0s - loss: 0.1136  
 200/1149 [====>...] - ETA: 0s - loss: 0.1329  
 930/1149 [=====>...] - ETA: 0s - loss: 0.1346  
 610/1149 [=====>...] - ETA: 0s - loss: 0.1210  
 960/1148 [=====>...] - ETA: 0s - loss: 0.1869  
 1149/1149 [=====] - 0s 260us/step - loss: 0.1161  
 Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.1531  
 720/1149 [=====>...] - ETA: 0s - loss: 1.1719  
 780/1148 [=====>...] - ETA: 0s - loss: 0.0743  
 1148/1148 [=====] - 0s 160us/step - loss: 0.1835

350/1149 [=====>...] - ETA: 0s - loss: 0.1195Epoch 4/10

20/1148 [...] - ETA: 0s - loss: 0.1494  
 1130/1149 [=====>.] - ETA: 0s - loss: 0.1312  
 820/1149 [=====>...] - ETA: 0s - loss: 0.1211  
 1149/1149 [=====] - 0s 282us/step - loss: 0.1307  
 Epoch 19/20

10/1149 [...] - ETA: 0s - loss: 0.2043  
 220/1149 [====>...] - ETA: 0s - loss: 0.1397  
 960/1149 [=====>...] - ETA: 0s - loss: 1.1397  
 960/1148 [=====>...] - ETA: 0s - loss: 0.0777  
 380/1148 [=====>...] - ETA: 0s - loss: 0.1543  
 440/1149 [=====>...] - ETA: 0s - loss: 0.1130  
 1149/1149 [=====] - 0s 215us/step - loss: 1.1492

Epoch 3/10

```
20/1149 [...] - ETA: 0s - loss: 0.6495
1030/1149 [=====>...] - ETA: 0s - loss: 0.1280
200/1149 [====>...] - ETA: 0s - loss: 0.1076
440/1149 [=====>...] - ETA: 0s - loss: 0.1295
1148/1148 [=====] - 0s 271us/step - loss: 0.0776

1149/1149 [=====] - 0s 253us/step - loss: 0.1276
Epoch 19/20
```

```
10/1149 [...] - ETA: 0s - loss: 0.1628
740/1148 [=====>...] - ETA: 0s - loss: 0.1408
380/1149 [=====>...] - ETA: 0s - loss: 1.0445
540/1149 [=====>...] - ETA: 0s - loss: 0.1264
410/1149 [=====>...] - ETA: 0s - loss: 0.1237
620/1149 [=====>...] - ETA: 0s - loss: 0.1225
200/1149 [====>...] - ETA: 0s - loss: 0.1331
1080/1148 [=====>...] - ETA: 0s - loss: 0.1335
710/1149 [=====>...] - ETA: 0s - loss: 0.1196
780/1149 [=====>...] - ETA: 0s - loss: 1.0718
1148/1148 [=====] - 0s 147us/step - loss: 0.1337
Epoch 5/10
```

```
20/1148 [...] - ETA: 0s - loss: 0.1401
600/1149 [=====>...] - ETA: 0s - loss: 0.1266
800/1149 [=====>...] - ETA: 0s - loss: 0.1209
390/1149 [=====>...] - ETA: 0s - loss: 0.1095
1149/1149 [=====] - 0s 124us/step - loss: 0.9821
Epoch 4/10
```

```
20/1149 [...] - ETA: 0s - loss: 0.9159
970/1149 [=====>...] - ETA: 0s - loss: 0.1190Epoch 1/10
```

```
20/1149 [...] - ETA: 33s - loss: 1.0883
300/1148 [=====>...] - ETA: 0s - loss: 0.1255
790/1149 [=====>...] - ETA: 0s - loss: 0.1258
1000/1149 [=====>...] - ETA: 0s - loss: 0.1187
580/1149 [=====>...] - ETA: 0s - loss: 0.1220
1149/1149 [=====] - 0s 312us/step - loss: 0.1262
Epoch 14/20
```

```
10/1149 [...] - ETA: 0s - loss: 0.1050
500/1149 [=====>...] - ETA: 0s - loss: 0.6208
240/1149 [=====>...] - ETA: 2s - loss: 1.2554
740/1148 [=====>...] - ETA: 0s - loss: 0.1220
990/1149 [=====>...] - ETA: 0s - loss: 0.1311
1149/1149 [=====] - 0s 262us/step - loss: 0.1153
```

Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0388  
760/1149 [=====>...] - ETA: 0s - loss: 0.1205  
200/1149 [====>...] - ETA: 0s - loss: 0.1137  
800/1149 [=====>...] - ETA: 0s - loss: 0.6693  
1148/1148 [=====] - 0s 125us/step - loss: 0.1226  
Epoch 6/10

20/1148 [...] - ETA: 0s - loss: 0.0668  
1149/1149 [=====] - 0s 260us/step - loss: 0.1312  
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.1339  
190/1149 [===>...] - ETA: 0s - loss: 0.0903  
330/1149 [=====>...] - ETA: 0s - loss: 0.1112  
900/1149 [=====>...] - ETA: 0s - loss: 0.6868  
360/1149 [=====>...] - ETA: 1s - loss: 1.3374  
280/1148 [=====>...] - ETA: 0s - loss: 0.1223  
890/1149 [=====>...] - ETA: 0s - loss: 0.1222  
110/1149 [=>...] - ETA: 0s - loss: 0.1413  
280/1149 [=====>...] - ETA: 0s - loss: 0.0957  
390/1149 [=====>...] - ETA: 0s - loss: 0.1132  
1000/1149 [=====>...] - ETA: 0s - loss: 0.6634  
960/1149 [=====>...] - ETA: 0s - loss: 0.1192  
420/1148 [=====>...] - ETA: 0s - loss: 0.1188  
150/1149 [==>...] - ETA: 0s - loss: 0.1292  
340/1149 [=====>...] - ETA: 0s - loss: 0.1132  
460/1149 [=====>...] - ETA: 0s - loss: 0.1117  
420/1149 [=====>...] - ETA: 1s - loss: 1.3498  
1140/1149 [=====>.] - ETA: 0s - loss: 0.6617  
1149/1149 [=====] - 0s 234us/step - loss: 0.6630

1030/1149 [=====>...] - ETA: 0s - loss: 0.1208  
600/1148 [=====>...] - ETA: 0s - loss: 0.1123Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.3811  
230/1149 [=====>...] - ETA: 0s - loss: 0.1203  
430/1149 [=====>...] - ETA: 0s - loss: 0.1088  
570/1149 [=====>...] - ETA: 0s - loss: 0.1108  
540/1149 [=====>...] - ETA: 1s - loss: 1.2851  
1149/1149 [=====] - 0s 374us/step - loss: 0.1242

880/1148 [=====>...] - ETA: 0s - loss: 0.1172Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.1921  
380/1149 [=====>...] - ETA: 0s - loss: 0.3501  
380/1149 [=====>...] - ETA: 0s - loss: 0.1292

600/1149 [=====>...] - ETA: 0s - loss: 0.1158  
770/1149 [=====>...] - ETA: 0s - loss: 0.1041  
1148/1148 [=====] - 0s 230us/step - loss: 0.1155  
Epoch 7/10

20/1148 [...] - ETA: 0s - loss: 0.1101  
200/1149 [====>...] - ETA: 0s - loss: 0.1290  
780/1149 [=====>...] - ETA: 0s - loss: 1.2103  
800/1149 [=====>...] - ETA: 0s - loss: 0.3524  
580/1149 [=====>...] - ETA: 0s - loss: 0.1278  
790/1149 [=====>...] - ETA: 0s - loss: 0.1185  
970/1149 [=====>...] - ETA: 0s - loss: 0.1171  
370/1149 [=====>...] - ETA: 0s - loss: 0.1192  
320/1148 [=====>...] - ETA: 0s - loss: 0.1280  
1149/1149 [=====] - 0s 138us/step - loss: 0.3122  
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.1173  
920/1149 [=====>...] - ETA: 0s - loss: 1.2301  
780/1149 [=====>...] - ETA: 0s - loss: 0.1358  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1143  
1149/1149 [=====] - 0s 358us/step - loss: 0.1253  
  
1149/1149 [=====] - 1s 915us/step - loss: 1.1766  
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.1253Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 0.7996  
550/1149 [=====>...] - ETA: 0s - loss: 0.1366  
700/1148 [=====>...] - ETA: 0s - loss: 0.1159  
400/1149 [=====>...] - ETA: 0s - loss: 0.1843  
1149/1149 [=====] - 0s 360us/step - loss: 0.1132  
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.1054  
960/1149 [=====>...] - ETA: 0s - loss: 0.1319  
500/1149 [=====>...] - ETA: 0s - loss: 1.1897  
180/1149 [====>...] - ETA: 0s - loss: 0.1113  
690/1149 [=====>...] - ETA: 0s - loss: 0.1303  
1060/1148 [=====>...] - ETA: 0s - loss: 0.1106  
680/1149 [=====>...] - ETA: 0s - loss: 0.1613  
180/1149 [====>...] - ETA: 0s - loss: 0.1028  
1148/1148 [=====] - 0s 156us/step - loss: 0.1105  
  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1306Epoch 8/10

20/1148 [...] - ETA: 0s - loss: 0.1066

```

1149/1149 [=====] - 0s 392us/step - loss: 0.1305

960/1149 [=====>...] - ETA: 0s - loss: 1.1415
350/1149 [=====>...] - ETA: 0s - loss: 0.1058
870/1149 [=====>...] - ETA: 0s - loss: 0.1312
1040/1149 [=====>...] - ETA: 0s - loss: 0.1546
370/1149 [=====>...] - ETA: 0s - loss: 0.1286
1149/1149 [=====] - 0s 150us/step - loss: 0.1530

1149/1149 [=====] - 0s 122us/step - loss: 1.1342

360/1148 [=====>...] - ETA: 0s - loss: 0.1079Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.0419Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 0.8429
500/1149 [=====>...] - ETA: 0s - loss: 0.1195
1010/1149 [=====>...] - ETA: 0s - loss: 0.1268
500/1149 [=====>...] - ETA: 0s - loss: 0.1257
380/1149 [=====>...] - ETA: 0s - loss: 0.1618
740/1148 [=====>...] - ETA: 0s - loss: 0.1088
260/1149 [=====>...] - ETA: 0s - loss: 0.9517
1149/1149 [=====] - 0s 300us/step - loss: 0.1246

650/1149 [=====>...] - ETA: 0s - loss: 0.1189
690/1149 [=====>...] - ETA: 0s - loss: 0.1194
740/1149 [=====>...] - ETA: 0s - loss: 0.1501
1120/1148 [=====>.] - ETA: 0s - loss: 0.1070
440/1149 [=====>...] - ETA: 0s - loss: 1.0448
1148/1148 [=====] - 0s 141us/step - loss: 0.1069
Epoch 9/10

20/1148 [...] - ETA: 0s - loss: 0.0822
780/1149 [=====>...] - ETA: 0s - loss: 0.1137
860/1149 [=====>...] - ETA: 0s - loss: 0.1202
1080/1149 [=====>..] - ETA: 0s - loss: 0.1305
760/1149 [=====>...] - ETA: 0s - loss: 1.0271
340/1148 [=====>...] - ETA: 0s - loss: 0.1003
1149/1149 [=====] - 0s 150us/step - loss: 0.1283
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.1003
950/1149 [=====>...] - ETA: 0s - loss: 0.1159
1000/1149 [=====>...] - ETA: 0s - loss: 0.1143
1020/1149 [=====>...] - ETA: 0s - loss: 0.9303
600/1148 [=====>...] - ETA: 0s - loss: 0.0993
340/1149 [=====>...] - ETA: 0s - loss: 0.1358
1110/1149 [=====>..] - ETA: 0s - loss: 0.1272

```

1149/1149 [=====] - 0s 199us/step - loss: 0.9634  
Epoch 4/10

20/1149 [...] - ETA: 0s - loss: 0.3403  
1149/1149 [=====] - 0s 331us/step - loss: 0.1251  
Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0422  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1117  
1149/1149 [=====] - 0s 321us/step - loss: 0.1116  
Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0779  
920/1148 [=====>...] - ETA: 0s - loss: 0.1099  
680/1149 [=====>...] - ETA: 0s - loss: 0.1290  
400/1149 [=====>...] - ETA: 0s - loss: 0.7334  
200/1149 [=====>...] - ETA: 0s - loss: 0.0999  
1148/1148 [=====] - 0s 169us/step - loss: 0.1039  
Epoch 10/10

20/1148 [...] - ETA: 0s - loss: 0.1308  
190/1149 [=====>...] - ETA: 0s - loss: 0.0846  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1262  
800/1149 [=====>...] - ETA: 0s - loss: 0.7263  
410/1149 [=====>...] - ETA: 0s - loss: 0.0995  
1149/1149 [=====] - 0s 153us/step - loss: 0.1239  
Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.1016  
400/1148 [=====>...] - ETA: 0s - loss: 0.1183  
390/1149 [=====>...] - ETA: 0s - loss: 0.0984  
1000/1149 [=====>...] - ETA: 0s - loss: 0.7325  
620/1149 [=====>...] - ETA: 0s - loss: 0.1127  
420/1149 [=====>...] - ETA: 0s - loss: 0.1292  
840/1148 [=====>...] - ETA: 0s - loss: 0.1052  
580/1149 [=====>...] - ETA: 0s - loss: 0.1026  
1149/1149 [=====] - 0s 173us/step - loss: 0.7119  
Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.4134  
830/1149 [=====>...] - ETA: 0s - loss: 0.1117  
1148/1148 [=====] - 0s 126us/step - loss: 0.1015

860/1149 [=====>...] - ETA: 0s - loss: 0.1129  
780/1149 [=====>...] - ETA: 0s - loss: 0.1036  
320/1149 [=====>...] - ETA: 0s - loss: 0.5841  
970/1149 [=====>...] - ETA: 0s - loss: 0.1280Epoch 1/10



```

20/1149 [...] - ETA: 25s - loss: 0.7273
1149/1149 [=====] - 0s 142us/step - loss: 0.1226
Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.0747
910/1149 [=====>...] - ETA: 0s - loss: 0.1027
760/1149 [=====>...] - ETA: 0s - loss: 0.5933
1130/1149 [=====>.] - ETA: 0s - loss: 0.1240
580/1149 [=====>...] - ETA: 0s - loss: 1.0797
1149/1149 [=====] - 0s 284us/step - loss: 0.1233

360/1149 [=====>...] - ETA: 0s - loss: 0.1319
1080/1149 [=====>..] - ETA: 0s - loss: 0.1044Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.1769
1100/1149 [=====>..] - ETA: 0s - loss: 0.5322
1149/1149 [=====] - 1s 465us/step - loss: 1.1294

1149/1149 [=====] - 0s 296us/step - loss: 0.1102
Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.6514
1149/1149 [=====] - 0s 149us/step - loss: 0.5194
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.2269Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 0.5103
640/1149 [=====>...] - ETA: 0s - loss: 0.1273
150/1149 [==>...] - ETA: 0s - loss: 0.1089
210/1149 [====>...] - ETA: 0s - loss: 0.1422
280/1149 [=====>...] - ETA: 0s - loss: 1.1300
380/1149 [=====>...] - ETA: 0s - loss: 0.4075
340/1149 [=====>...] - ETA: 0s - loss: 0.1076
1040/1149 [=====>...] - ETA: 0s - loss: 0.1228
1149/1149 [=====] - 0s 154us/step - loss: 0.1203

390/1149 [=====>...] - ETA: 0s - loss: 0.1161
560/1149 [=====>...] - ETA: 0s - loss: 1.0471
640/1149 [=====>...] - ETA: 0s - loss: 0.4212
550/1149 [=====>...] - ETA: 0s - loss: 0.1017
550/1149 [=====>...] - ETA: 0s - loss: 0.1094
980/1149 [=====>...] - ETA: 0s - loss: 0.3837
800/1149 [=====>...] - ETA: 0s - loss: 1.0120
690/1149 [=====>...] - ETA: 0s - loss: 0.1105
1149/1149 [=====] - 0s 169us/step - loss: 0.3654
Epoch 7/10

```

20/1149 [...] - ETA: 0s - loss: 0.2654  
670/1149 [=====>...] - ETA: 0s - loss: 0.1109  
1020/1149 [=====>...] - ETA: 0s - loss: 1.0836  
830/1149 [=====>...] - ETA: 0s - loss: 0.1275  
1149/1149 [=====] - 0s 216us/step - loss: 1.0627  
Epoch 1/15

20/1148 [...] - ETA: 23s - loss: 0.3593  
260/1149 [=====>...] - ETA: 0s - loss: 0.2714Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 0.9295  
810/1149 [=====>...] - ETA: 0s - loss: 0.1070  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1266  
520/1148 [=====>...] - ETA: 0s - loss: 0.3603  
580/1149 [=====>...] - ETA: 0s - loss: 0.2633Epoch 1/10

20/1149 [...] - ETA: 28s - loss: 2.3669  
320/1149 [=====>...] - ETA: 0s - loss: 0.9396  
960/1149 [=====>...] - ETA: 0s - loss: 0.1037  
1149/1149 [=====] - 0s 314us/step - loss: 0.1242  
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0870  
920/1149 [=====>...] - ETA: 0s - loss: 0.2821  
120/1149 [==>...] - ETA: 4s - loss: 1.3632  
1040/1148 [=====>...] - ETA: 0s - loss: 0.3636  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1102  
540/1149 [=====>...] - ETA: 0s - loss: 0.8494  
1149/1149 [=====] - 0s 321us/step - loss: 0.1098  
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0960  
1148/1148 [=====] - 1s 478us/step - loss: 0.3624  
1149/1149 [=====] - 0s 160us/step - loss: 0.2609  
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.1257  
160/1149 [=====>...] - ETA: 0s - loss: 0.1098Epoch 2/15

20/1148 [...] - ETA: 0s - loss: 0.2506  
440/1149 [=====>...] - ETA: 0s - loss: 1.2414  
920/1149 [=====>...] - ETA: 0s - loss: 0.8675  
230/1149 [=====>...] - ETA: 0s - loss: 0.1131  
400/1149 [=====>...] - ETA: 0s - loss: 0.1973  
280/1149 [=====>...] - ETA: 0s - loss: 0.1115  
380/1148 [=====>...] - ETA: 0s - loss: 0.3451  
1149/1149 [=====] - 0s 174us/step - loss: 0.8168

Epoch 4/10

```
20/1149 [...] - ETA: 0s - loss: 0.3581
780/1149 [=====>...] - ETA: 0s - loss: 1.1364
440/1149 [=====>...] - ETA: 0s - loss: 0.1057
820/1149 [=====>...] - ETA: 0s - loss: 0.1998
440/1149 [=====>...] - ETA: 0s - loss: 0.1038
660/1148 [=====>...] - ETA: 0s - loss: 0.3307
400/1149 [=====>...] - ETA: 0s - loss: 0.5756
1040/1149 [=====>...] - ETA: 0s - loss: 1.0807
630/1149 [=====>...] - ETA: 0s - loss: 0.1141
1149/1149 [=====] - 0s 131us/step - loss: 0.1990
Epoch 9/10
```

```
20/1149 [...] - ETA: 0s - loss: 0.0882
1149/1149 [=====] - 1s 645us/step - loss: 1.0883
```

650/1149 [=====>...] - ETA: 0s - loss: 0.1012Epoch 2/10

```
20/1149 [...] - ETA: 0s - loss: 1.1520
880/1148 [=====>...] - ETA: 0s - loss: 0.3230
760/1149 [=====>...] - ETA: 0s - loss: 0.5030
820/1149 [=====>...] - ETA: 0s - loss: 0.1141
420/1149 [=====>...] - ETA: 0s - loss: 0.1958
850/1149 [=====>...] - ETA: 0s - loss: 0.1058
1040/1148 [=====>...] - ETA: 0s - loss: 0.3195
260/1149 [=====>...] - ETA: 0s - loss: 1.2321
1149/1149 [=====] - 0s 137us/step - loss: 0.4363
Epoch 5/10
```

```
20/1149 [...] - ETA: 0s - loss: 0.3562
1148/1148 [=====] - 0s 209us/step - loss: 0.3126
Epoch 3/15
```

```
20/1148 [...] - ETA: 0s - loss: 0.2843
1020/1149 [=====>...] - ETA: 0s - loss: 0.1095
760/1149 [=====>...] - ETA: 0s - loss: 0.1695
1020/1149 [=====>...] - ETA: 0s - loss: 0.1183
1149/1149 [=====] - 0s 252us/step - loss: 0.1086
```

360/1149 [=====>...] - ETA: 0s - loss: 0.2583Epoch 19/20

```
10/1149 [...] - ETA: 0s - loss: 0.0442
560/1149 [=====>...] - ETA: 0s - loss: 1.0431
400/1148 [=====>...] - ETA: 0s - loss: 0.2608
1149/1149 [=====] - 0s 306us/step - loss: 0.1224
Epoch 19/20
```

10/1149 [...] - ETA: 0s - loss: 0.1059  
 1120/1149 [=====>...] - ETA: 0s - loss: 0.1681  
 1149/1149 [=====] - 0s 141us/step - loss: 0.1671  
 Epoch 10/10  
  
 20/1149 [...] - ETA: 0s - loss: 0.1516  
 700/1149 [=====>...] - ETA: 0s - loss: 0.2255  
 200/1149 [====>...] - ETA: 0s - loss: 0.0952  
 780/1149 [=====>...] - ETA: 0s - loss: 1.0183  
 800/1148 [=====>...] - ETA: 0s - loss: 0.2617  
 200/1149 [====>...] - ETA: 0s - loss: 0.1094  
 380/1149 [=====>...] - ETA: 0s - loss: 0.1401  
 1040/1149 [=====>...] - ETA: 0s - loss: 0.2247  
 1040/1149 [=====>...] - ETA: 0s - loss: 1.0091  
 350/1149 [=====>...] - ETA: 0s - loss: 0.0910  
 1149/1149 [=====] - 0s 150us/step - loss: 0.2168  
  
 1120/1148 [=====>...] - ETA: 0s - loss: 0.2436Epoch 6/10  
  
 20/1149 [...] - ETA: 0s - loss: 0.2157  
 1149/1149 [=====] - 0s 214us/step - loss: 0.9911  
  
 1148/1148 [=====] - 0s 145us/step - loss: 0.2420  
  
 370/1149 [=====>...] - ETA: 0s - loss: 0.1233Epoch 3/10  
  
 20/1149 [...] - ETA: 0s - loss: 0.5318Epoch 4/15  
  
 20/1148 [...] - ETA: 0s - loss: 0.2099  
 780/1149 [=====>...] - ETA: 0s - loss: 0.1462  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1056Epoch 1/15  
  
 20/1149 [...] - ETA: 21s - loss: 0.6563  
 380/1149 [=====>...] - ETA: 0s - loss: 0.1983  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1213  
 460/1149 [=====>...] - ETA: 0s - loss: 0.7477  
 380/1148 [=====>...] - ETA: 0s - loss: 0.1997  
 1149/1149 [=====] - 0s 138us/step - loss: 0.1495  
  
 630/1149 [=====>...] - ETA: 0s - loss: 0.1032  
 740/1149 [=====>...] - ETA: 0s - loss: 0.1933  
 220/1149 [====>...] - ETA: 1s - loss: 1.1399  
 760/1149 [=====>...] - ETA: 0s - loss: 0.1164  
 800/1148 [=====>...] - ETA: 0s - loss: 0.1771  
 940/1149 [=====>...] - ETA: 0s - loss: 0.7032  
 1149/1149 [=====] - 0s 117us/step - loss: 0.6812  
  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1063Epoch 4/10

20/1149 [...] - ETA: 0s - loss: 0.4560  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1756  
420/1149 [=====>...] - ETA: 0s - loss: 1.2660  
1148/1148 [=====] - 0s 130us/step - loss: 0.1621  
Epoch 5/15

20/1148 [...] - ETA: 0s - loss: 0.1375Epoch 1/15

20/1149 [...] - ETA: 25s - loss: 0.7145  
1149/1149 [=====] - 0s 143us/step - loss: 0.1735

950/1149 [=====>...] - ETA: 0s - loss: 0.1150Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.1419  
1080/1149 [=====>.] - ETA: 0s - loss: 0.1088  
460/1149 [=====>...] - ETA: 0s - loss: 0.3855  
660/1149 [=====>...] - ETA: 0s - loss: 1.1858  
1149/1149 [=====] - 0s 285us/step - loss: 0.1078  
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.0619  
420/1148 [=====>...] - ETA: 0s - loss: 0.1154  
140/1149 [==>...] - ETA: 3s - loss: 1.1951  
480/1149 [=====>...] - ETA: 0s - loss: 0.1703  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1232  
1149/1149 [=====] - 0s 278us/step - loss: 0.1229  
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.1044  
820/1149 [=====>...] - ETA: 0s - loss: 0.3529  
880/1149 [=====>...] - ETA: 0s - loss: 1.1871  
250/1149 [=====>...] - ETA: 0s - loss: 0.0899  
820/1148 [=====>...] - ETA: 0s - loss: 0.1133  
240/1149 [=====>...] - ETA: 2s - loss: 1.0321  
860/1149 [=====>...] - ETA: 0s - loss: 0.1702  
220/1149 [=====>...] - ETA: 0s - loss: 0.1203  
1149/1149 [=====] - 0s 127us/step - loss: 0.3235  
Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.0726  
1149/1149 [=====] - 1s 550us/step - loss: 1.1707  
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 3.1256  
1148/1148 [=====] - 0s 134us/step - loss: 0.1106

470/1149 [=====>...] - ETA: 0s - loss: 0.1003

1149/1149 [=====] - 0s 130us/step - loss: 0.1634  
Epoch 6/15

20/1148 [...] - ETA: 0s - loss: 0.1139Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.1265  
440/1149 [=====>...] - ETA: 0s - loss: 1.1052  
410/1149 [=====>...] - ETA: 0s - loss: 0.1360  
440/1149 [=====>...] - ETA: 0s - loss: 0.1836  
340/1149 [=====>...] - ETA: 0s - loss: 1.2980  
400/1148 [=====>...] - ETA: 0s - loss: 0.0910  
680/1149 [=====>...] - ETA: 0s - loss: 0.0997  
340/1149 [=====>...] - ETA: 0s - loss: 0.2039  
680/1149 [=====>...] - ETA: 0s - loss: 1.2626  
610/1149 [=====>...] - ETA: 0s - loss: 0.1379  
820/1149 [=====>...] - ETA: 0s - loss: 0.1861  
780/1149 [=====>...] - ETA: 0s - loss: 1.1215  
850/1149 [=====>...] - ETA: 0s - loss: 0.1044  
720/1148 [=====>...] - ETA: 0s - loss: 0.0936  
760/1149 [=====>...] - ETA: 0s - loss: 0.1646  
920/1149 [=====>...] - ETA: 0s - loss: 1.2109  
780/1149 [=====>...] - ETA: 0s - loss: 0.1245  
1149/1149 [=====] - 0s 130us/step - loss: 0.1887  
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.0530  
1140/1149 [=====>.] - ETA: 0s - loss: 1.0722  
1149/1149 [=====] - 0s 138us/step - loss: 1.0721  
Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 2.6326  
1100/1148 [=====>.] - ETA: 0s - loss: 0.0961  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1105  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1569  
1148/1148 [=====] - 0s 141us/step - loss: 0.0954

1149/1149 [=====] - 1s 663us/step - loss: 1.1891

1149/1149 [=====] - 0s 141us/step - loss: 0.1573  
Epoch 7/15

20/1148 [...] - ETA: 0s - loss: 0.1342Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.0665Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 0.9525  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1245  
340/1149 [=====>...] - ETA: 0s - loss: 0.1373

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1149/1149 [=====] - 0s 249us/step - loss: 0.1074

260/1149 [=====>...] - ETA: 0s - loss: 0.9101
1149/1149 [=====] - 0s 260us/step - loss: 0.1222

360/1148 [=====>...] - ETA: 0s - loss: 0.0921
380/1149 [=====>...] - ETA: 0s - loss: 1.4423
400/1149 [=====>...] - ETA: 0s - loss: 0.1542
720/1149 [=====>...] - ETA: 0s - loss: 0.1457
620/1149 [=====>...] - ETA: 0s - loss: 0.8158
920/1149 [=====>...] - ETA: 0s - loss: 1.2035
860/1149 [=====>...] - ETA: 0s - loss: 0.1662
800/1148 [=====>...] - ETA: 0s - loss: 0.0950
1149/1149 [=====] - 0s 139us/step - loss: 0.1650
Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.1547
1149/1149 [=====] - 0s 123us/step - loss: 0.1531

1040/1149 [=====>...] - ETA: 0s - loss: 0.7469Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.0867
1148/1148 [=====] - 0s 130us/step - loss: 0.0907
Epoch 8/15

20/1148 [...] - ETA: 0s - loss: 0.0455
1149/1149 [=====] - 0s 149us/step - loss: 0.7601

1149/1149 [=====] - 0s 136us/step - loss: 1.1505
Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.2425Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 2.4689
440/1149 [=====>...] - ETA: 0s - loss: 0.1383
360/1149 [=====>...] - ETA: 0s - loss: 0.1429
380/1148 [=====>...] - ETA: 0s - loss: 0.0709
320/1149 [=====>...] - ETA: 0s - loss: 0.4279
300/1149 [=====>...] - ETA: 0s - loss: 1.2731
780/1149 [=====>...] - ETA: 0s - loss: 0.1603
720/1149 [=====>...] - ETA: 0s - loss: 0.1474
760/1148 [=====>...] - ETA: 0s - loss: 0.0795
620/1149 [=====>...] - ETA: 0s - loss: 0.4464
620/1149 [=====>...] - ETA: 0s - loss: 1.0847
1100/1149 [=====>...] - ETA: 0s - loss: 0.1525
1149/1149 [=====] - 0s 145us/step - loss: 0.1539
Epoch 8/10

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```

20/1149 [...] - ETA: 0s - loss: 0.3036
1000/1149 [=====>...] - ETA: 0s - loss: 0.1424
1060/1148 [=====>...] - ETA: 0s - loss: 0.0885
980/1149 [=====>...] - ETA: 0s - loss: 0.4008
1148/1148 [=====] - 0s 149us/step - loss: 0.0879

880/1149 [=====>...] - ETA: 0s - loss: 1.0349Epoch 9/15

20/1148 [...] - ETA: 0s - loss: 0.0792
1149/1149 [=====] - 0s 164us/step - loss: 0.1497

340/1149 [=====>...] - ETA: 0s - loss: 0.1853
1149/1149 [=====] - 0s 168us/step - loss: 0.3953
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.2425Epoch 1/15

20/1149 [...] - ETA: 24s - loss: 1.8203
1149/1149 [=====] - 0s 188us/step - loss: 1.0000
Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.2519
280/1148 [=====>...] - ETA: 0s - loss: 0.0958
660/1149 [=====>...] - ETA: 0s - loss: 0.1621
320/1149 [=====>...] - ETA: 0s - loss: 0.2346
200/1149 [=====>...] - ETA: 2s - loss: 1.3467
400/1149 [=====>...] - ETA: 0s - loss: 0.8067
540/1148 [=====>...] - ETA: 0s - loss: 0.0849
960/1149 [=====>...] - ETA: 0s - loss: 0.1529
640/1149 [=====>...] - ETA: 0s - loss: 0.2533
840/1148 [=====>...] - ETA: 0s - loss: 0.0861
460/1149 [=====>...] - ETA: 0s - loss: 1.1084
760/1149 [=====>...] - ETA: 0s - loss: 0.8505
1149/1149 [=====] - 0s 168us/step - loss: 0.1477
Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.0682
1000/1149 [=====>...] - ETA: 0s - loss: 0.2339
1148/1148 [=====] - 0s 168us/step - loss: 0.0865
Epoch 10/15

20/1148 [...] - ETA: 0s - loss: 0.0816
1149/1149 [=====] - 0s 153us/step - loss: 0.2263
Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.2859
1080/1149 [=====>..] - ETA: 0s - loss: 0.9133
800/1149 [=====>...] - ETA: 0s - loss: 1.1755

```



420/1149 [=====>...] - ETA: 0s - loss: 0.1188  
1149/1149 [=====] - 0s 150us/step - loss: 0.8887  
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.1638  
440/1148 [=====>...] - ETA: 0s - loss: 0.0753  
420/1149 [=====>...] - ETA: 0s - loss: 0.1775  
1100/1149 [=====>...] - ETA: 0s - loss: 1.1462  
1149/1149 [=====] - 1s 572us/step - loss: 1.1327  
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 1.0972  
840/1149 [=====>...] - ETA: 0s - loss: 0.1320  
440/1149 [=====>...] - ETA: 0s - loss: 0.8787  
860/1148 [=====>...] - ETA: 0s - loss: 0.0772  
1149/1149 [=====] - 0s 123us/step - loss: 0.1434  
Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.2429  
840/1149 [=====>...] - ETA: 0s - loss: 0.1885  
280/1149 [=====>...] - ETA: 0s - loss: 1.3445  
840/1149 [=====>...] - ETA: 0s - loss: 0.8903  
1148/1148 [=====] - 0s 124us/step - loss: 0.0851  
Epoch 11/15

20/1148 [...] - ETA: 0s - loss: 0.0992  
440/1149 [=====>...] - ETA: 0s - loss: 0.1234  
1149/1149 [=====] - 0s 131us/step - loss: 0.1835  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.1545  
1149/1149 [=====] - 0s 125us/step - loss: 0.8321

440/1149 [=====>...] - ETA: 0s - loss: 1.3787Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.7462  
440/1148 [=====>...] - ETA: 0s - loss: 0.0865  
800/1149 [=====>...] - ETA: 0s - loss: 0.1236  
340/1149 [=====>...] - ETA: 0s - loss: 0.1683  
680/1149 [=====>...] - ETA: 0s - loss: 1.2319  
400/1149 [=====>...] - ETA: 0s - loss: 0.6635  
780/1148 [=====>...] - ETA: 0s - loss: 0.0851  
1120/1149 [=====>...] - ETA: 0s - loss: 0.1411  
700/1149 [=====>...] - ETA: 0s - loss: 0.1749  
1149/1149 [=====] - 0s 138us/step - loss: 0.1398  
  
1149/1149 [=====] - 0s 175us/step - loss: 1.0962  
Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 0.8726  
820/1149 [=====>...] - ETA: 0s - loss: 0.8022  
1120/1148 [=====>.] - ETA: 0s - loss: 0.0848  
1148/1148 [=====] - 0s 143us/step - loss: 0.0846  
Epoch 12/15

20/1148 [...] - ETA: 0s - loss: 0.0838  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1707  
1149/1149 [=====] - 0s 139us/step - loss: 0.1703  
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.3435  
500/1149 [=====>...] - ETA: 0s - loss: 0.9582  
1149/1149 [=====] - 0s 133us/step - loss: 0.7886  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.8648Epoch 1/15

20/1149 [...] - ETA: 27s - loss: 1.0800  
440/1148 [=====>...] - ETA: 0s - loss: 0.0812Epoch 1/20

20/1148 [...] - ETA: 27s - loss: 0.3034  
400/1149 [=====>...] - ETA: 0s - loss: 0.1773  
920/1149 [=====>...] - ETA: 0s - loss: 0.8648  
440/1149 [=====>...] - ETA: 0s - loss: 0.6610  
200/1149 [====>...] - ETA: 2s - loss: 1.0496  
780/1148 [=====>...] - ETA: 0s - loss: 0.0819  
260/1148 [=====>...] - ETA: 1s - loss: 0.3773  
1149/1149 [=====] - 0s 123us/step - loss: 0.9024  
Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.6313  
760/1149 [=====>...] - ETA: 0s - loss: 0.1664  
820/1149 [=====>...] - ETA: 0s - loss: 0.7666  
480/1149 [=====>...] - ETA: 0s - loss: 1.0485  
1148/1148 [=====] - 0s 135us/step - loss: 0.0843  
540/1148 [=====>...] - ETA: 0s - loss: 0.3568Epoch 13/15

20/1148 [...] - ETA: 0s - loss: 0.0584  
460/1149 [=====>...] - ETA: 0s - loss: 0.6445  
1149/1149 [=====] - 0s 125us/step - loss: 0.7509  
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.5021  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1625  
1149/1149 [=====] - 0s 139us/step - loss: 0.1632

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760/1149 [=====>...] - ETA: 0s - loss: 1.1308Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.1062
800/1148 [=====>...] - ETA: 0s - loss: 0.3575
420/1148 [=====>...] - ETA: 0s - loss: 0.0903
900/1149 [=====>...] - ETA: 0s - loss: 0.5743
420/1149 [=====>...] - ETA: 0s - loss: 0.8206
1140/1149 [=====>.] - ETA: 0s - loss: 1.0958
440/1149 [=====>...] - ETA: 0s - loss: 0.1480
1149/1149 [=====] - 1s 606us/step - loss: 1.0976
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 1.3960
1149/1149 [=====] - 0s 125us/step - loss: 0.5480
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.1738
800/1148 [=====>...] - ETA: 0s - loss: 0.0823
960/1148 [=====>...] - ETA: 0s - loss: 0.3552
840/1149 [=====>...] - ETA: 0s - loss: 0.8089
860/1149 [=====>...] - ETA: 0s - loss: 0.1621
300/1149 [=====>...] - ETA: 0s - loss: 1.1193
1148/1148 [=====] - 1s 633us/step - loss: 0.3606
Epoch 2/20

20/1148 [...] - ETA: 0s - loss: 0.3397
380/1149 [=====>...] - ETA: 0s - loss: 0.3833
1148/1148 [=====] - 0s 135us/step - loss: 0.0836
Epoch 14/15

20/1148 [...] - ETA: 0s - loss: 0.1070
1149/1149 [=====] - 0s 132us/step - loss: 0.7176
Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.6414
1149/1149 [=====] - 0s 127us/step - loss: 0.1586
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.1079
580/1149 [=====>...] - ETA: 0s - loss: 1.0090
320/1148 [=====>...] - ETA: 0s - loss: 0.3303Epoch 1/20

20/1149 [...] - ETA: 30s - loss: 1.1406
800/1149 [=====>...] - ETA: 0s - loss: 0.2993
400/1148 [=====>...] - ETA: 0s - loss: 0.0778
420/1149 [=====>...] - ETA: 0s - loss: 0.7553
400/1149 [=====>...] - ETA: 0s - loss: 0.1681

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860/1149 [=====>...] - ETA: 0s - loss: 1.0113  
1149/1149 [=====] - 0s 129us/step - loss: 0.2875  
Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.1410  
640/1148 [=====>...] - ETA: 0s - loss: 0.3186  
100/1149 [=>...] - ETA: 6s - loss: 1.1342  
860/1148 [=====>...] - ETA: 0s - loss: 0.0811  
800/1149 [=====>...] - ETA: 0s - loss: 0.6757  
800/1149 [=====>...] - ETA: 0s - loss: 0.1565  
1149/1149 [=====] - 0s 184us/step - loss: 1.0699  
Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 0.9762  
440/1149 [=====>...] - ETA: 0s - loss: 0.1886  
920/1148 [=====>...] - ETA: 0s - loss: 0.3062  
1148/1148 [=====] - 0s 130us/step - loss: 0.0837  
Epoch 15/15

20/1148 [...] - ETA: 0s - loss: 0.0598  
260/1149 [=====>...] - ETA: 2s - loss: 1.1457  
1149/1149 [=====] - 0s 132us/step - loss: 0.6870  
  
1149/1149 [=====] - 0s 130us/step - loss: 0.1550  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.9868Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.1127  
1148/1148 [=====] - 0s 162us/step - loss: 0.3016  
Epoch 3/20

20/1148 [...] - ETA: 0s - loss: 0.2631  
380/1149 [=====>...] - ETA: 0s - loss: 1.0366  
840/1149 [=====>...] - ETA: 0s - loss: 0.1884  
480/1148 [=====>...] - ETA: 0s - loss: 0.0884  
320/1149 [=====>...] - ETA: 0s - loss: 0.6756  
480/1149 [=====>...] - ETA: 0s - loss: 0.1565  
320/1149 [=====>...] - ETA: 1s - loss: 1.1049  
380/1148 [=====>...] - ETA: 0s - loss: 0.2611  
1149/1149 [=====] - 0s 131us/step - loss: 0.1879  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.2397  
740/1149 [=====>...] - ETA: 0s - loss: 1.1459  
880/1148 [=====>...] - ETA: 0s - loss: 0.0858  
760/1149 [=====>...] - ETA: 0s - loss: 0.6444  
860/1149 [=====>...] - ETA: 0s - loss: 0.1574

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520/1149 [=====>...] - ETA: 0s - loss: 1.2472
700/1148 [=====>...] - ETA: 0s - loss: 0.2412
480/1149 [=====>...] - ETA: 0s - loss: 0.1568
1148/1148 [=====] - 0s 124us/step - loss: 0.0833

1080/1149 [=====>..] - ETA: 0s - loss: 0.9934
1149/1149 [=====] - 0s 130us/step - loss: 0.6593
Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 1.3454
1149/1149 [=====] - 0s 152us/step - loss: 0.9900

1149/1149 [=====] - 0s 131us/step - loss: 0.1523
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.1072Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.3979
860/1149 [=====>...] - ETA: 0s - loss: 1.2068
1140/1148 [=====>.] - ETA: 0s - loss: 0.2189
1148/1148 [=====] - 0s 140us/step - loss: 0.2181
Epoch 4/20

20/1148 [...] - ETA: 0s - loss: 0.0574
860/1149 [=====>...] - ETA: 0s - loss: 0.1604
440/1149 [=====>...] - ETA: 0s - loss: 0.6594
400/1149 [=====>...] - ETA: 0s - loss: 0.1216
380/1149 [=====>...] - ETA: 0s - loss: 0.8499
1149/1149 [=====] - 1s 755us/step - loss: 1.1827
Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 1.2312
1149/1149 [=====] - 0s 122us/step - loss: 0.1553
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.1168
360/1148 [=====>...] - ETA: 0s - loss: 0.1438
780/1149 [=====>...] - ETA: 0s - loss: 0.7215
780/1149 [=====>...] - ETA: 0s - loss: 0.1445
760/1149 [=====>...] - ETA: 0s - loss: 0.8979
320/1149 [=====>...] - ETA: 0s - loss: 1.0835
360/1149 [=====>...] - ETA: 0s - loss: 0.1772
740/1148 [=====>...] - ETA: 0s - loss: 0.1454
1149/1149 [=====] - 0s 134us/step - loss: 0.6335
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.7415
1140/1149 [=====>.] - ETA: 0s - loss: 0.1490

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1120/1149 [=====>.] - ETA: 0s - loss: 0.8834  
1149/1149 [=====] - 0s 138us/step - loss: 0.1490  
Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.1301  
1149/1149 [=====] - 0s 141us/step - loss: 0.8890  
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.1799  
600/1149 [=====>...] - ETA: 0s - loss: 1.0690  
740/1149 [=====>...] - ETA: 0s - loss: 0.1502  
1100/1148 [=====>..] - ETA: 0s - loss: 0.1442  
1148/1148 [=====] - 0s 143us/step - loss: 0.1431  
Epoch 5/20

20/1148 [...] - ETA: 0s - loss: 0.0740  
400/1149 [=====>...] - ETA: 0s - loss: 0.6740Epoch 1/20

20/1149 [...] - ETA: 28s - loss: 1.2002  
400/1149 [=====>...] - ETA: 0s - loss: 0.1370  
440/1149 [=====>...] - ETA: 0s - loss: 0.8318  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1416  
820/1149 [=====>...] - ETA: 0s - loss: 1.0832  
1149/1149 [=====] - 0s 143us/step - loss: 0.1419  
Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.1029  
400/1148 [=====>...] - ETA: 0s - loss: 0.1251  
280/1149 [=====>...] - ETA: 1s - loss: 1.0822  
780/1149 [=====>...] - ETA: 0s - loss: 0.6697  
780/1149 [=====>...] - ETA: 0s - loss: 0.1348  
860/1149 [=====>...] - ETA: 0s - loss: 0.8151  
1060/1149 [=====>...] - ETA: 0s - loss: 1.1162  
400/1149 [=====>...] - ETA: 0s - loss: 0.1386  
800/1148 [=====>...] - ETA: 0s - loss: 0.1096  
1149/1149 [=====] - 0s 200us/step - loss: 1.0991  
Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 0.6858  
1149/1149 [=====] - 0s 118us/step - loss: 0.8190

1149/1149 [=====] - 0s 133us/step - loss: 0.6087  
Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 1.0630Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.5206  
1149/1149 [=====] - 0s 133us/step - loss: 0.1464

Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.2103  
400/1149 [=====>...] - ETA: 1s - loss: 1.0460  
800/1149 [=====>...] - ETA: 0s - loss: 0.1310  
1060/1148 [=====>...] - ETA: 0s - loss: 0.1066  
620/1149 [=====>...] - ETA: 0s - loss: 1.0759  
240/1149 [=====>...] - ETA: 0s - loss: 0.7396  
540/1149 [=====>...] - ETA: 0s - loss: 0.5984  
1148/1148 [=====] - 0s 152us/step - loss: 0.1062

560/1149 [=====>...] - ETA: 0s - loss: 1.0719Epoch 6/20

20/1148 [...] - ETA: 0s - loss: 0.0705  
420/1149 [=====>...] - ETA: 0s - loss: 0.1488  
1149/1149 [=====] - 0s 126us/step - loss: 0.1335  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.0841  
1080/1149 [=====>...] - ETA: 0s - loss: 0.9617  
520/1149 [=====>...] - ETA: 0s - loss: 0.7658  
1149/1149 [=====] - 0s 100us/step - loss: 0.9390  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.5238  
940/1149 [=====>...] - ETA: 0s - loss: 0.6247  
780/1149 [=====>...] - ETA: 0s - loss: 1.1247  
860/1149 [=====>...] - ETA: 0s - loss: 0.1469  
380/1148 [=====>...] - ETA: 0s - loss: 0.0888  
500/1149 [=====>...] - ETA: 0s - loss: 0.1322  
1149/1149 [=====] - 0s 125us/step - loss: 0.5857  
Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.6943  
920/1149 [=====>...] - ETA: 0s - loss: 0.7790  
480/1149 [=====>...] - ETA: 0s - loss: 0.9314  
1149/1149 [=====] - 0s 133us/step - loss: 0.1444  
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.0881  
840/1148 [=====>...] - ETA: 0s - loss: 0.0899  
1020/1149 [=====>...] - ETA: 0s - loss: 1.1567  
900/1149 [=====>...] - ETA: 0s - loss: 0.1302  
1149/1149 [=====] - 0s 168us/step - loss: 0.7703  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.4730  
420/1149 [=====>...] - ETA: 0s - loss: 0.6039

1148/1148 [=====] - 0s 123us/step - loss: 0.0932  
Epoch 7/20

20/1148 [...] - ETA: 0s - loss: 0.0531  
880/1149 [=====>...] - ETA: 0s - loss: 0.8604  
1149/1149 [=====] - 0s 116us/step - loss: 0.1297  
Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.1774  
400/1149 [=====>...] - ETA: 0s - loss: 0.1179  
1140/1149 [=====>.] - ETA: 0s - loss: 1.1781  
1149/1149 [=====] - 1s 734us/step - loss: 1.1713  
Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 0.4446  
1149/1149 [=====] - 0s 117us/step - loss: 0.8627  
Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.7893  
400/1149 [=====>...] - ETA: 0s - loss: 0.7091  
780/1149 [=====>...] - ETA: 0s - loss: 0.6507  
480/1148 [=====>...] - ETA: 0s - loss: 0.0803  
760/1149 [=====>...] - ETA: 0s - loss: 0.1490  
400/1149 [=====>...] - ETA: 0s - loss: 0.1378  
500/1149 [=====>...] - ETA: 0s - loss: 1.0120  
280/1149 [=====>...] - ETA: 0s - loss: 0.9440  
780/1149 [=====>...] - ETA: 0s - loss: 0.7872  
1149/1149 [=====] - 0s 132us/step - loss: 0.5638  
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.7004  
820/1148 [=====>...] - ETA: 0s - loss: 0.0887  
620/1149 [=====>...] - ETA: 0s - loss: 0.1301  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1431  
1149/1149 [=====] - 0s 142us/step - loss: 0.1426

920/1149 [=====>...] - ETA: 0s - loss: 1.0511  
1149/1149 [=====] - 0s 132us/step - loss: 0.7327

560/1149 [=====>...] - ETA: 0s - loss: 0.9045Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.6932  
1148/1148 [=====] - 0s 126us/step - loss: 0.0879  
Epoch 8/20

20/1148 [...] - ETA: 0s - loss: 0.1125  
420/1149 [=====>...] - ETA: 0s - loss: 0.5234  
1149/1149 [=====] - 0s 110us/step - loss: 1.0947



Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 1.1427  
900/1149 [=====>...] - ETA: 0s - loss: 0.1310  
880/1149 [=====>...] - ETA: 0s - loss: 0.8200  
360/1149 [=====>...] - ETA: 0s - loss: 0.7529  
400/1148 [=====>...] - ETA: 0s - loss: 0.0907  
780/1149 [=====>...] - ETA: 0s - loss: 0.5690  
1149/1149 [=====] - 0s 172us/step - loss: 0.1268  
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.1250  
200/1149 [====>...] - ETA: 0s - loss: 1.0120  
1149/1149 [=====] - 0s 167us/step - loss: 0.8149  
Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 0.2430  
740/1149 [=====>...] - ETA: 0s - loss: 0.6536  
1149/1149 [=====] - 0s 131us/step - loss: 0.5429  
  
800/1148 [=====>...] - ETA: 0s - loss: 0.0874  
360/1149 [=====>...] - ETA: 0s - loss: 0.1149  
380/1149 [=====>...] - ETA: 0s - loss: 0.9786  
380/1149 [=====>...] - ETA: 0s - loss: 0.6485  
1100/1149 [=====>...] - ETA: 0s - loss: 0.6998  
1148/1148 [=====] - 0s 133us/step - loss: 0.0848  
Epoch 9/20

20/1148 [...] - ETA: 0s - loss: 0.0622  
1149/1149 [=====] - 0s 145us/step - loss: 0.6998  
Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 1.0228  
700/1149 [=====>...] - ETA: 0s - loss: 0.1195  
600/1149 [=====>...] - ETA: 0s - loss: 0.9446  
700/1149 [=====>...] - ETA: 0s - loss: 0.6605  
300/1148 [=====>...] - ETA: 0s - loss: 0.0751  
300/1149 [=====>...] - ETA: 0s - loss: 0.7485  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1153  
920/1149 [=====>...] - ETA: 0s - loss: 0.9184  
980/1149 [=====>...] - ETA: 0s - loss: 0.7668Epoch 1/20

20/1149 [...] - ETA: 32s - loss: 1.0811  
1149/1149 [=====] - 0s 166us/step - loss: 0.1259  
Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.1370  
640/1148 [=====>...] - ETA: 0s - loss: 0.0802

1149/1149 [=====] - 0s 158us/step - loss: 0.7745  
Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 0.8613  
620/1149 [=====>...] - ETA: 0s - loss: 0.7131  
1149/1149 [=====] - 0s 221us/step - loss: 0.8505  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 1.0568  
180/1149 [===>...] - ETA: 3s - loss: 1.1073  
440/1149 [=====>...] - ETA: 0s - loss: 0.1030  
1000/1148 [=====>...] - ETA: 0s - loss: 0.0825  
420/1149 [=====>...] - ETA: 0s - loss: 0.7207  
980/1149 [=====>...] - ETA: 0s - loss: 0.6739  
280/1149 [=====>...] - ETA: 0s - loss: 0.6796  
1148/1148 [=====] - 0s 159us/step - loss: 0.0828  
Epoch 10/20

20/1148 [...] - ETA: 0s - loss: 0.0706  
1149/1149 [=====] - 0s 159us/step - loss: 0.6709  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.7115  
360/1149 [=====>...] - ETA: 1s - loss: 1.0951  
880/1149 [=====>...] - ETA: 0s - loss: 0.1252  
860/1149 [=====>...] - ETA: 0s - loss: 0.7145  
640/1149 [=====>...] - ETA: 0s - loss: 0.5305  
400/1148 [=====>...] - ETA: 0s - loss: 0.0738  
1149/1149 [=====] - 0s 119us/step - loss: 0.1241  
Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.1086  
400/1149 [=====>...] - ETA: 0s - loss: 0.7506  
600/1149 [=====>...] - ETA: 0s - loss: 1.1460  
1149/1149 [=====] - 0s 123us/step - loss: 0.7392  
Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.4122  
980/1149 [=====>...] - ETA: 0s - loss: 0.4638  
820/1148 [=====>...] - ETA: 0s - loss: 0.0807  
420/1149 [=====>...] - ETA: 0s - loss: 0.1280  
780/1149 [=====>...] - ETA: 0s - loss: 0.6872  
1149/1149 [=====] - 0s 167us/step - loss: 0.4519

800/1149 [=====>...] - ETA: 0s - loss: 1.1480Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.5644  
360/1149 [=====>...] - ETA: 0s - loss: 0.7913

1148/1148 [=====] - 0s 129us/step - loss: 0.0817  
Epoch 11/20

20/1148 [...] - ETA: 0s - loss: 0.3032  
780/1149 [=====>...] - ETA: 0s - loss: 0.1294  
1149/1149 [=====] - 0s 138us/step - loss: 0.6443  
Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.4672  
1100/1149 [=====>..] - ETA: 0s - loss: 1.1319  
300/1149 [=====>...] - ETA: 0s - loss: 0.2591  
720/1149 [=====>...] - ETA: 0s - loss: 0.7378  
1149/1149 [=====] - 1s 746us/step - loss: 1.1286  
Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 0.8600  
420/1148 [=====>...] - ETA: 0s - loss: 0.0881  
1120/1149 [=====>..] - ETA: 0s - loss: 0.1236  
1149/1149 [=====] - 0s 142us/step - loss: 0.1224  
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.1219  
440/1149 [=====>...] - ETA: 0s - loss: 0.7364  
640/1149 [=====>...] - ETA: 0s - loss: 0.2245  
1080/1149 [=====>..] - ETA: 0s - loss: 0.7090  
320/1149 [=====>...] - ETA: 0s - loss: 1.0420  
1149/1149 [=====] - 0s 150us/step - loss: 0.7078  
Epoch 9/20

20/1149 [...] - ETA: 0s - loss: 0.7422  
800/1148 [=====>...] - ETA: 0s - loss: 0.0860  
380/1149 [=====>...] - ETA: 0s - loss: 0.1011  
780/1149 [=====>...] - ETA: 0s - loss: 0.6370  
980/1149 [=====>...] - ETA: 0s - loss: 0.2211  
600/1149 [=====>...] - ETA: 0s - loss: 0.9861  
400/1149 [=====>...] - ETA: 0s - loss: 0.7554  
1149/1149 [=====] - 0s 158us/step - loss: 0.2097

1140/1148 [=====>..] - ETA: 0s - loss: 0.0810  
1148/1148 [=====] - 0s 141us/step - loss: 0.0807  
Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 0.1538Epoch 12/20

20/1148 [...] - ETA: 0s - loss: 0.0546  
720/1149 [=====>...] - ETA: 0s - loss: 0.1176  
1120/1149 [=====>..] - ETA: 0s - loss: 0.6275  
1149/1149 [=====] - 0s 142us/step - loss: 0.6198

Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.4195  
820/1149 [=====>...] - ETA: 0s - loss: 1.0687  
820/1149 [=====>...] - ETA: 0s - loss: 0.6562  
460/1149 [=====>...] - ETA: 0s - loss: 0.1645  
360/1148 [=====>...] - ETA: 0s - loss: 0.0817  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1219  
1149/1149 [=====] - 0s 143us/step - loss: 0.1214

460/1149 [=====>...] - ETA: 0s - loss: 0.4580  
1149/1149 [=====] - 0s 131us/step - loss: 0.6780  
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.4980  
1100/1149 [=====>..] - ETA: 0s - loss: 1.0445  
1149/1149 [=====] - 0s 195us/step - loss: 1.0359

900/1149 [=====>...] - ETA: 0s - loss: 0.1617Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 0.9815  
760/1148 [=====>...] - ETA: 0s - loss: 0.0839  
860/1149 [=====>...] - ETA: 0s - loss: 0.5348  
1149/1149 [=====] - 0s 121us/step - loss: 0.1518  
Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 0.0819  
420/1149 [=====>...] - ETA: 0s - loss: 0.6343  
360/1149 [=====>...] - ETA: 0s - loss: 0.8685  
1148/1148 [=====] - 0s 138us/step - loss: 0.0806  
Epoch 13/20

20/1148 [...] - ETA: 0s - loss: 0.0805  
1149/1149 [=====] - 0s 126us/step - loss: 0.5974  
Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.2993  
420/1149 [=====>...] - ETA: 0s - loss: 0.1492  
820/1149 [=====>...] - ETA: 0s - loss: 0.6635  
860/1149 [=====>...] - ETA: 0s - loss: 0.7598  
460/1148 [=====>...] - ETA: 0s - loss: 0.0710  
400/1149 [=====>...] - ETA: 0s - loss: 0.5099  
1149/1149 [=====] - 0s 117us/step - loss: 0.7275  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.3859  
820/1149 [=====>...] - ETA: 0s - loss: 0.1333  
1149/1149 [=====] - 0s 136us/step - loss: 0.6513

Epoch 11/20

20/1149 [...] - ETA: 0s - loss: 1.1965Epoch 1/5

30/1148 [...] - ETA: 19s - loss: 0.2821

880/1148 [=====>...] - ETA: 0s - loss: 0.0757

800/1149 [=====>...] - ETA: 0s - loss: 0.5794

380/1149 [=====>...] - ETA: 0s - loss: 0.4875

1149/1149 [=====] - 0s 134us/step - loss: 0.1401

Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.1753

460/1149 [=====>...] - ETA: 0s - loss: 0.6556

120/1148 [==>...] - ETA: 4s - loss: 0.3242

1148/1148 [=====] - 0s 125us/step - loss: 0.0798

Epoch 14/20

20/1148 [...] - ETA: 0s - loss: 0.0780

1149/1149 [=====] - 0s 131us/step - loss: 0.5760

Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.2120

760/1149 [=====>...] - ETA: 0s - loss: 0.4000Epoch 1/20

20/1149 [...] - ETA: 29s - loss: 0.5457

420/1149 [=====>...] - ETA: 0s - loss: 0.1237

880/1149 [=====>...] - ETA: 0s - loss: 0.6172

390/1148 [=====>...] - ETA: 1s - loss: 0.3634

420/1148 [=====>...] - ETA: 0s - loss: 0.0873

440/1149 [=====>...] - ETA: 0s - loss: 0.5561

1149/1149 [=====] - 0s 118us/step - loss: 0.6260

Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 1.6293

1149/1149 [=====] - 0s 129us/step - loss: 0.3625

Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.1371

260/1149 [=====>...] - ETA: 1s - loss: 1.0879

860/1149 [=====>...] - ETA: 0s - loss: 0.1417

780/1148 [=====>...] - ETA: 0s - loss: 0.3705

840/1148 [=====>...] - ETA: 0s - loss: 0.0803

840/1149 [=====>...] - ETA: 0s - loss: 0.5237

380/1149 [=====>...] - ETA: 0s - loss: 0.7919

1149/1149 [=====] - 0s 124us/step - loss: 0.1346

1148/1148 [=====] - 1s 613us/step - loss: 0.3691

420/1149 [=====>...] - ETA: 0s - loss: 0.2157Epoch 9/20

20/1149 [...] - ETA: 0s - loss: 0.0775Epoch 2/5

30/1148 [...] - ETA: 0s - loss: 0.3001

1148/1148 [=====] - 0s 126us/step - loss: 0.0794  
Epoch 15/20

20/1148 [...] - ETA: 0s - loss: 0.0491

440/1149 [=====>...] - ETA: 1s - loss: 1.1967

1149/1149 [=====] - 0s 130us/step - loss: 0.5553  
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.3389

740/1149 [=====>...] - ETA: 0s - loss: 0.6758

800/1149 [=====>...] - ETA: 0s - loss: 0.2044

540/1148 [=====>...] - ETA: 0s - loss: 0.3451

460/1149 [=====>...] - ETA: 0s - loss: 0.1498

460/1148 [=====>...] - ETA: 0s - loss: 0.0756

720/1149 [=====>...] - ETA: 0s - loss: 1.1333

420/1149 [=====>...] - ETA: 0s - loss: 0.5778

1149/1149 [=====] - 0s 130us/step - loss: 0.1945

1080/1149 [=====>..] - ETA: 0s - loss: 0.6098Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 0.1370

900/1149 [=====>...] - ETA: 0s - loss: 0.1368

1140/1148 [=====>.] - ETA: 0s - loss: 0.3328

1149/1149 [=====] - 0s 148us/step - loss: 0.6032

1148/1148 [=====] - 0s 99us/step - loss: 0.3325  
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.2973Epoch 3/5

30/1148 [...] - ETA: 0s - loss: 0.2586

820/1148 [=====>...] - ETA: 0s - loss: 0.0755

860/1149 [=====>...] - ETA: 0s - loss: 0.4999

1149/1149 [=====] - 0s 124us/step - loss: 0.1314  
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.1760

860/1149 [=====>...] - ETA: 0s - loss: 1.1077

460/1149 [=====>...] - ETA: 0s - loss: 0.1595

400/1149 [=====>...] - ETA: 0s - loss: 0.6281

1148/1148 [=====] - 0s 134us/step - loss: 0.0790  
Epoch 16/20

20/1148 [...] - ETA: 0s - loss: 0.0441  
 1149/1149 [=====] - 0s 121us/step - loss: 0.5353  
  
 540/1148 [=====>...] - ETA: 0s - loss: 0.3059  
 360/1149 [=====>...] - ETA: 0s - loss: 0.1446  
 1080/1149 [=====>...] - ETA: 0s - loss: 1.1257  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1596  
 1149/1149 [=====] - 1s 720us/step - loss: 1.0959  
 Epoch 2/20  
  
 20/1149 [...] - ETA: 0s - loss: 1.0476  
 840/1149 [=====>...] - ETA: 0s - loss: 0.6050  
 420/1148 [=====>...] - ETA: 0s - loss: 0.0843  
 930/1148 [=====>...] - ETA: 0s - loss: 0.2890  
 1149/1149 [=====] - 0s 116us/step - loss: 0.1531  
 Epoch 7/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1065  
 780/1149 [=====>...] - ETA: 0s - loss: 0.1307  
 1148/1148 [=====] - 0s 114us/step - loss: 0.2804  
 Epoch 4/5  
  
 30/1148 [...] - ETA: 0s - loss: 0.3810  
 1149/1149 [=====] - 0s 124us/step - loss: 0.5810  
 Epoch 14/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.4479  
 380/1149 [=====>...] - ETA: 0s - loss: 1.0948  
 840/1148 [=====>...] - ETA: 0s - loss: 0.0820  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1468  
 1149/1149 [=====] - 0s 132us/step - loss: 0.1289  
 Epoch 11/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1275  
 300/1148 [=====>...] - ETA: 0s - loss: 0.2719  
 420/1149 [=====>...] - ETA: 0s - loss: 0.5423  
 1148/1148 [=====] - 0s 130us/step - loss: 0.0791  
  
 620/1149 [=====>...] - ETA: 0s - loss: 1.0363Epoch 17/20  
  
 20/1148 [...] - ETA: 0s - loss: 0.0380  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1382  
 400/1149 [=====>...] - ETA: 0s - loss: 0.1501  
 750/1148 [=====>...] - ETA: 0s - loss: 0.2306  
 760/1149 [=====>...] - ETA: 0s - loss: 0.5271  
 360/1148 [=====>...] - ETA: 0s - loss: 0.0717  
 1000/1149 [=====>...] - ETA: 0s - loss: 1.0398  
 1148/1148 [=====] - 0s 116us/step - loss: 0.2164

Epoch 5/5

30/1148 [...] - ETA: 0s - loss: 0.0992  
1149/1149 [=====] - 0s 140us/step - loss: 0.1403  
Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.0851  
700/1149 [=====>...] - ETA: 0s - loss: 0.1336  
1149/1149 [=====] - 0s 159us/step - loss: 1.0469  
Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 0.7817  
1100/1149 [=====>...] - ETA: 0s - loss: 0.5606  
1149/1149 [=====] - 0s 145us/step - loss: 0.5595  
  
740/1148 [=====>...] - ETA: 0s - loss: 0.0768Epoch 15/20

20/1149 [...] - ETA: 0s - loss: 3.2190  
570/1148 [=====>...] - ETA: 0s - loss: 0.1833  
340/1149 [=====>...] - ETA: 0s - loss: 0.1025  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1315  
400/1149 [=====>...] - ETA: 0s - loss: 0.9405  
1149/1149 [=====] - 0s 157us/step - loss: 0.1254  
  
1060/1148 [=====>...] - ETA: 0s - loss: 0.0780Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.0781  
1080/1148 [=====>...] - ETA: 0s - loss: 0.1728  
320/1149 [=====>...] - ETA: 0s - loss: 0.5990  
1148/1148 [=====] - 0s 151us/step - loss: 0.0788  
Epoch 18/20

20/1148 [...] - ETA: 0s - loss: 0.0403  
1148/1148 [=====] - 0s 105us/step - loss: 0.1701

620/1149 [=====>...] - ETA: 0s - loss: 0.1317  
740/1149 [=====>...] - ETA: 0s - loss: 0.8857  
320/1149 [=====>...] - ETA: 0s - loss: 0.1017  
660/1149 [=====>...] - ETA: 0s - loss: 0.5509  
340/1148 [=====>...] - ETA: 0s - loss: 0.0839  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1274  
1140/1149 [=====>...] - ETA: 0s - loss: 0.8857  
1149/1149 [=====] - 0s 141us/step - loss: 0.8820  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.6099  
1149/1149 [=====] - 0s 155us/step - loss: 0.1345  
Epoch 9/20



20/1149 [...] - ETA: 0s - loss: 0.0829  
760/1149 [=====>...] - ETA: 0s - loss: 0.1123  
1060/1149 [=====>...] - ETA: 0s - loss: 0.5530  
680/1148 [=====>...] - ETA: 0s - loss: 0.0751  
1149/1149 [=====] - 0s 160us/step - loss: 0.5397  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.6824  
400/1149 [=====>...] - ETA: 0s - loss: 0.7323  
440/1149 [=====>...] - ETA: 0s - loss: 0.1342  
1149/1149 [=====] - 0s 137us/step - loss: 0.1240  
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.1583  
1060/1148 [=====>...] - ETA: 0s - loss: 0.0785  
1148/1148 [=====] - 0s 144us/step - loss: 0.0782  
Epoch 19/20

20/1148 [...] - ETA: 0s - loss: 0.1263  
420/1149 [=====>...] - ETA: 0s - loss: 0.5443  
720/1149 [=====>...] - ETA: 0s - loss: 0.6330  
800/1149 [=====>...] - ETA: 0s - loss: 0.1466Epoch 1/5

30/1149 [...] - ETA: 22s - loss: 1.0523  
420/1149 [=====>...] - ETA: 0s - loss: 0.1095  
740/1149 [=====>...] - ETA: 0s - loss: 0.5401  
400/1148 [=====>...] - ETA: 0s - loss: 0.0824  
1100/1149 [=====>..] - ETA: 0s - loss: 0.6067  
1149/1149 [=====] - 0s 140us/step - loss: 0.5979  
Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 1.6367  
1149/1149 [=====] - 0s 137us/step - loss: 0.1309  
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.1080  
780/1149 [=====>...] - ETA: 0s - loss: 0.1065  
300/1149 [=====>...] - ETA: 1s - loss: 1.0639  
840/1148 [=====>...] - ETA: 0s - loss: 0.0791  
1140/1149 [=====>..] - ETA: 0s - loss: 0.5221  
1149/1149 [=====] - 0s 137us/step - loss: 0.5211  
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.5649  
460/1149 [=====>...] - ETA: 0s - loss: 0.4423  
420/1149 [=====>...] - ETA: 0s - loss: 0.1167  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1259

570/1149 [=====>...] - ETA: 0s - loss: 1.0677  
 1148/1148 [=====] - 0s 131us/step - loss: 0.0782  
 Epoch 20/20  
  
 20/1148 [...] - ETA: 0s - loss: 0.0468  
 1149/1149 [=====] - 0s 154us/step - loss: 0.1224  
 Epoch 14/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.0840  
 460/1149 [=====>...] - ETA: 0s - loss: 0.5328  
 900/1149 [=====>...] - ETA: 0s - loss: 0.3702  
 780/1149 [=====>...] - ETA: 0s - loss: 0.1328  
 780/1149 [=====>...] - ETA: 0s - loss: 1.2489  
 380/1148 [=====>...] - ETA: 0s - loss: 0.0841  
 1149/1149 [=====] - 0s 124us/step - loss: 0.3405  
  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1144Epoch 6/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.2623  
 860/1149 [=====>...] - ETA: 0s - loss: 0.5493  
 1149/1149 [=====] - 0s 136us/step - loss: 0.1302  
 Epoch 11/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.0789  
 1050/1149 [=====>...] - ETA: 0s - loss: 1.2124  
 760/1148 [=====>...] - ETA: 0s - loss: 0.0761  
 1149/1149 [=====] - 0s 130us/step - loss: 0.5032  
  
 880/1149 [=====>...] - ETA: 0s - loss: 0.1156Epoch 18/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.2911  
 380/1149 [=====>...] - ETA: 0s - loss: 0.2527  
 1149/1149 [=====] - 1s 725us/step - loss: 1.1895  
 Epoch 2/5  
  
 30/1149 [...] - ETA: 0s - loss: 0.8938  
 380/1149 [=====>...] - ETA: 0s - loss: 0.1135  
 1149/1149 [=====] - 0s 127us/step - loss: 0.1208  
 Epoch 15/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1249  
 1148/1148 [=====] - 0s 134us/step - loss: 0.0781  
  
 440/1149 [=====>...] - ETA: 0s - loss: 0.4707  
 840/1149 [=====>...] - ETA: 0s - loss: 0.2303  
 330/1149 [=====>...] - ETA: 0s - loss: 1.0585  
 680/1149 [=====>...] - ETA: 0s - loss: 0.1281  
 1149/1149 [=====] - 0s 125us/step - loss: 0.2215

440/1149 [=====>...] - ETA: 0s - loss: 0.1202Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 0.2283

820/1149 [=====>...] - ETA: 0s - loss: 0.4523

1080/1149 [=====>..] - ETA: 0s - loss: 1.1923

1040/1149 [=====>...] - ETA: 0s - loss: 0.1263

1149/1149 [=====] - 0s 108us/step - loss: 1.1724

Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 1.5481

1149/1149 [=====] - 0s 124us/step - loss: 0.4865

Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.1586

860/1149 [=====>...] - ETA: 0s - loss: 0.1223

380/1149 [=====>...] - ETA: 0s - loss: 0.1893

1149/1149 [=====] - 0s 159us/step - loss: 0.1278

Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.0720

1149/1149 [=====] - 0s 127us/step - loss: 0.1196

Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.2385

480/1149 [=====>...] - ETA: 0s - loss: 1.1580

340/1149 [=====>...] - ETA: 0s - loss: 0.3895

800/1149 [=====>...] - ETA: 0s - loss: 0.2025

360/1149 [=====>...] - ETA: 0s - loss: 0.1001

420/1149 [=====>...] - ETA: 0s - loss: 0.1352

930/1149 [=====>...] - ETA: 0s - loss: 1.1676

720/1149 [=====>...] - ETA: 0s - loss: 0.4568

1149/1149 [=====] - 0s 136us/step - loss: 0.1877

Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.1809Epoch 1/5

30/1149 [...] - ETA: 14s - loss: 0.5101

700/1149 [=====>...] - ETA: 0s - loss: 0.1281Epoch 1/5

30/1149 [...] - ETA: 14s - loss: 1.3919

1149/1149 [=====] - 0s 113us/step - loss: 1.1218

Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 1.0727

820/1149 [=====>...] - ETA: 0s - loss: 0.1210

1080/1149 [=====>..] - ETA: 0s - loss: 0.4480

330/1149 [=====>...] - ETA: 1s - loss: 1.0844

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420/1149 [=====>...] - ETA: 0s - loss: 0.1977
1149/1149 [=====] - 0s 147us/step - loss: 0.4697

1120/1149 [=====>.] - ETA: 0s - loss: 0.1244
360/1149 [=====>...] - ETA: 0s - loss: 1.2490 Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.5111
1149/1149 [=====] - 0s 139us/step - loss: 0.1264
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.1517
690/1149 [=====>...] - ETA: 0s - loss: 0.9923
1149/1149 [=====] - 0s 133us/step - loss: 0.1179
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.1154
820/1149 [=====>...] - ETA: 0s - loss: 0.1720
570/1149 [=====>...] - ETA: 0s - loss: 1.0635
720/1149 [=====>...] - ETA: 0s - loss: 1.0924
380/1149 [=====>...] - ETA: 0s - loss: 0.4481
480/1149 [=====>...] - ETA: 0s - loss: 0.1098
1149/1149 [=====] - 0s 88us/step - loss: 1.0404
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 1.8351
380/1149 [=====>...] - ETA: 0s - loss: 0.1050
1149/1149 [=====] - 0s 128us/step - loss: 0.1721
Epoch 9/20

20/1149 [...] - ETA: 0s - loss: 0.0574
810/1149 [=====>...] - ETA: 0s - loss: 1.1071
930/1149 [=====>...] - ETA: 0s - loss: 1.1291
740/1149 [=====>...] - ETA: 0s - loss: 0.4247
900/1149 [=====>...] - ETA: 0s - loss: 0.1320
660/1149 [=====>...] - ETA: 0s - loss: 1.0095
780/1149 [=====>...] - ETA: 0s - loss: 0.1054
320/1149 [=====>...] - ETA: 0s - loss: 0.1842
1100/1149 [=====>..] - ETA: 0s - loss: 0.4635
1149/1149 [=====] - 0s 132us/step - loss: 0.1252

1110/1149 [=====>..] - ETA: 0s - loss: 1.1370
1050/1149 [=====>...] - ETA: 0s - loss: 1.1830 Epoch 14/20

20/1149 [...] - ETA: 0s - loss: 0.0688
1110/1149 [=====>..] - ETA: 0s - loss: 0.9584
1149/1149 [=====] - 0s 143us/step - loss: 0.4555

1149/1149 [=====] - 1s 524us/step - loss: 1.1323

```

Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 0.4925  
1149/1149 [=====] - 0s 97us/step - loss: 0.9548  
  
1149/1149 [=====] - 1s 541us/step - loss: 1.1749  
Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 1.2551  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1181  
1149/1149 [=====] - 0s 141us/step - loss: 0.1172  
Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.1015  
620/1149 [=====>...] - ETA: 0s - loss: 0.1830  
360/1149 [=====>...] - ETA: 0s - loss: 0.1084  
570/1149 [=====>...] - ETA: 0s - loss: 1.1315  
600/1149 [=====>...] - ETA: 0s - loss: 1.1186  
360/1149 [=====>...] - ETA: 0s - loss: 0.1112  
980/1149 [=====>...] - ETA: 0s - loss: 0.1614  
740/1149 [=====>...] - ETA: 0s - loss: 0.1248  
1050/1149 [=====>...] - ETA: 0s - loss: 1.0907  
1149/1149 [=====] - 0s 164us/step - loss: 0.1613  
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.0853  
1149/1149 [=====] - 0s 94us/step - loss: 1.1503  
Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 1.1309  
1149/1149 [=====] - 0s 102us/step - loss: 1.0941  
Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 1.3922  
700/1149 [=====>...] - ETA: 0s - loss: 0.1127  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1248  
1149/1149 [=====] - 0s 142us/step - loss: 0.1247  
Epoch 15/20

20/1149 [...] - ETA: 0s - loss: 0.0695  
360/1149 [=====>...] - ETA: 0s - loss: 0.1723  
570/1149 [=====>...] - ETA: 0s - loss: 1.0216  
510/1149 [=====>...] - ETA: 0s - loss: 1.1656  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1110  
1149/1149 [=====] - 0s 153us/step - loss: 0.1160  
Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.2291

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400/1149 [=====>...] - ETA: 0s - loss: 0.1038
660/1149 [=====>...] - ETA: 0s - loss: 0.1521
1110/1149 [=====>...] - ETA: 0s - loss: 1.0603
1149/1149 [=====] - 0s 94us/step - loss: 1.0824

1020/1149 [=====>...] - ETA: 0s - loss: 0.9958Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 0.3851
1149/1149 [=====] - 0s 102us/step - loss: 0.9789
Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 1.0064
360/1149 [=====>...] - ETA: 0s - loss: 0.1169
780/1149 [=====>...] - ETA: 0s - loss: 0.1224
1040/1149 [=====>...] - ETA: 0s - loss: 0.1605
660/1149 [=====>...] - ETA: 0s - loss: 0.9890
1149/1149 [=====] - 0s 150us/step - loss: 0.1544
Epoch 11/20

20/1149 [...] - ETA: 0s - loss: 0.1774
630/1149 [=====>...] - ETA: 0s - loss: 0.7948
1149/1149 [=====] - 0s 134us/step - loss: 0.1237
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.1252
700/1149 [=====>...] - ETA: 0s - loss: 0.1206
1110/1149 [=====>...] - ETA: 0s - loss: 0.9571
1149/1149 [=====] - 0s 99us/step - loss: 0.9476
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 1.0226
480/1149 [=====>...] - ETA: 0s - loss: 0.1487
1050/1149 [=====>...] - ETA: 0s - loss: 0.7656
1149/1149 [=====] - 0s 107us/step - loss: 0.7444
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 0.4690
500/1149 [=====>...] - ETA: 0s - loss: 0.1187
1149/1149 [=====] - 0s 140us/step - loss: 0.1151
Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0255
390/1149 [=====>...] - ETA: 0s - loss: 0.7367
860/1149 [=====>...] - ETA: 0s - loss: 0.1415
900/1149 [=====>...] - ETA: 0s - loss: 0.1145
480/1149 [=====>...] - ETA: 0s - loss: 0.4516
420/1149 [=====>...] - ETA: 0s - loss: 0.1049
1149/1149 [=====] - 0s 128us/step - loss: 0.1492

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Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.1374  
840/1149 [=====>...] - ETA: 0s - loss: 0.7174  
1149/1149 [=====] - 0s 118us/step - loss: 0.1235  
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.0899  
960/1149 [=====>...] - ETA: 0s - loss: 0.4720  
800/1149 [=====>...] - ETA: 0s - loss: 0.1149  
1149/1149 [=====] - 0s 118us/step - loss: 0.7403  
  
1149/1149 [=====] - 0s 107us/step - loss: 0.4638  
  
360/1149 [=====>...] - ETA: 0s - loss: 0.1415  
360/1149 [=====>...] - ETA: 0s - loss: 0.1028  
1149/1149 [=====] - 0s 136us/step - loss: 0.1136

700/1149 [=====>...] - ETA: 0s - loss: 0.1374  
640/1149 [=====>...] - ETA: 0s - loss: 0.1244  
960/1149 [=====>...] - ETA: 0s - loss: 0.1504  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1290  
1149/1149 [=====] - 0s 177us/step - loss: 0.1463  
Epoch 1/5

30/1149 [...] - ETA: 13s - loss: 1.2034Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.0918  
1149/1149 [=====] - 0s 176us/step - loss: 0.1234  
Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.1018Epoch 1/10

30/1148 [...] - ETA: 12s - loss: 0.4757Epoch 1/10

30/1149 [...] - ETA: 12s - loss: 1.3714  
240/1149 [=====>...] - ETA: 1s - loss: 1.2654  
260/1149 [=====>...] - ETA: 0s - loss: 0.1474  
360/1149 [=====>...] - ETA: 0s - loss: 0.1004  
450/1148 [=====>...] - ETA: 0s - loss: 0.3902  
560/1149 [=====>...] - ETA: 0s - loss: 0.1301  
870/1149 [=====>...] - ETA: 0s - loss: 1.0941  
330/1149 [=====>...] - ETA: 0s - loss: 1.1628  
660/1149 [=====>...] - ETA: 0s - loss: 0.1067  
1149/1149 [=====] - 0s 430us/step - loss: 1.0975  
Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 1.1161

630/1148 [=====>...] - ETA: 0s - loss: 0.3707  
540/1149 [=====>...] - ETA: 0s - loss: 1.2941  
920/1149 [=====>...] - ETA: 0s - loss: 0.1213  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1237  
810/1149 [=====>...] - ETA: 0s - loss: 1.1101  
1149/1149 [=====] - 0s 159us/step - loss: 0.1441  
Epoch 14/20

20/1149 [...] - ETA: 0s - loss: 0.1538  
1149/1149 [=====] - 0s 152us/step - loss: 0.1224  
Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.0822  
900/1149 [=====>...] - ETA: 0s - loss: 1.2254  
900/1148 [=====>...] - ETA: 0s - loss: 0.3670  
1149/1149 [=====] - 0s 76us/step - loss: 1.0687  
Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 0.7987  
360/1149 [=====>...] - ETA: 0s - loss: 0.1281  
1149/1149 [=====] - 1s 471us/step - loss: 1.1887

480/1149 [=====>...] - ETA: 0s - loss: 0.1116Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 0.9640  
1080/1148 [=====>...] - ETA: 0s - loss: 0.3723  
720/1149 [=====>...] - ETA: 0s - loss: 1.0895  
720/1149 [=====>...] - ETA: 0s - loss: 0.1222  
880/1149 [=====>...] - ETA: 0s - loss: 0.1069  
420/1149 [=====>...] - ETA: 0s - loss: 1.2097  
1148/1148 [=====] - 1s 518us/step - loss: 0.3681  
1149/1149 [=====] - 0s 78us/step - loss: 0.9815  
Epoch 2/10

30/1148 [...] - ETA: 0s - loss: 0.3772Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 1.0379  
1149/1149 [=====] - 0s 126us/step - loss: 0.1222  
Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0621  
1120/1149 [=====>...] - ETA: 0s - loss: 0.1427  
1149/1149 [=====] - 0s 142us/step - loss: 0.1418  
Epoch 15/20

20/1149 [...] - ETA: 0s - loss: 0.0626  
870/1149 [=====>...] - ETA: 0s - loss: 1.1873



660/1149 [=====>...] - ETA: 0s - loss: 0.7377  
420/1148 [=====>...] - ETA: 0s - loss: 0.3691  
1149/1149 [=====] - 0s 116us/step - loss: 1.1643  
Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 0.7232  
480/1149 [=====>...] - ETA: 0s - loss: 0.1060  
420/1149 [=====>...] - ETA: 0s - loss: 0.1135  
1149/1149 [=====] - 0s 88us/step - loss: 0.7745  
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 0.5910  
870/1148 [=====>...] - ETA: 0s - loss: 0.3355  
540/1149 [=====>...] - ETA: 0s - loss: 1.0534  
920/1149 [=====>...] - ETA: 0s - loss: 0.1305  
1148/1148 [=====] - 0s 128us/step - loss: 0.3315  
Epoch 3/10

30/1148 [...] - ETA: 0s - loss: 0.2884  
840/1149 [=====>...] - ETA: 0s - loss: 0.1322  
420/1149 [=====>...] - ETA: 0s - loss: 0.5523  
1149/1149 [=====] - 0s 116us/step - loss: 0.1221

750/1149 [=====>...] - ETA: 0s - loss: 1.0615  
1149/1149 [=====] - 0s 128us/step - loss: 0.1401  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.3086  
630/1148 [=====>...] - ETA: 0s - loss: 0.2884  
1050/1149 [=====>...] - ETA: 0s - loss: 0.5108  
1149/1149 [=====] - 0s 127us/step - loss: 1.0545  
1149/1149 [=====] - 0s 103us/step - loss: 0.4988  
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 1.0313  
1148/1148 [=====] - 0s 77us/step - loss: 0.2814  
Epoch 4/10

30/1148 [...] - ETA: 0s - loss: 0.2087  
420/1149 [=====>...] - ETA: 0s - loss: 0.1266Epoch 1/10

30/1149 [...] - ETA: 16s - loss: 1.0844Epoch 1/10

30/1149 [...] - ETA: 16s - loss: 1.3375  
540/1149 [=====>...] - ETA: 0s - loss: 0.9107  
480/1148 [=====>...] - ETA: 0s - loss: 0.2408  
720/1149 [=====>...] - ETA: 0s - loss: 0.1385

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330/1149 [=====>...] - ETA: 1s - loss: 1.2105
600/1149 [=====>...] - ETA: 0s - loss: 1.2238
1110/1149 [=====>...] - ETA: 0s - loss: 0.8139
1149/1149 [=====] - 0s 100us/step - loss: 0.8094
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 0.3408
1050/1148 [=====>...] - ETA: 0s - loss: 0.2192Epoch 1/10

30/1149 [...] - ETA: 17s - loss: 1.4846
1060/1149 [=====>...] - ETA: 0s - loss: 0.1410
1148/1148 [=====] - 0s 104us/step - loss: 0.2158
Epoch 5/10

30/1148 [...] - ETA: 0s - loss: 0.1757
1149/1149 [=====] - 0s 150us/step - loss: 0.1381

1149/1149 [=====] - 1s 473us/step - loss: 1.1775
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.1154Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 0.6725
840/1149 [=====>...] - ETA: 0s - loss: 1.0931
540/1149 [=====>...] - ETA: 0s - loss: 0.6365
210/1149 [=====>...] - ETA: 2s - loss: 1.0208
1149/1149 [=====] - 1s 505us/step - loss: 1.1334
Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 0.7297
540/1148 [=====>...] - ETA: 0s - loss: 0.1750
380/1149 [=====>...] - ETA: 0s - loss: 0.1246
540/1149 [=====>...] - ETA: 0s - loss: 1.0894
1080/1149 [=====>...] - ETA: 0s - loss: 0.5214
1149/1149 [=====] - 0s 99us/step - loss: 0.5026
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.5343
450/1149 [=====>...] - ETA: 0s - loss: 1.1915
1020/1148 [=====>...] - ETA: 0s - loss: 0.1678
630/1149 [=====>...] - ETA: 0s - loss: 1.1179
1148/1148 [=====] - 0s 99us/step - loss: 0.1640

740/1149 [=====>...] - ETA: 0s - loss: 0.1486Epoch 6/10

30/1148 [...] - ETA: 0s - loss: 0.1137
1110/1149 [=====>...] - ETA: 0s - loss: 1.1408
1149/1149 [=====] - 0s 96us/step - loss: 1.1525

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Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 1.4139  
570/1149 [=====>...] - ETA: 0s - loss: 0.3247  
720/1149 [=====>...] - ETA: 0s - loss: 1.1547  
1149/1149 [=====] - 0s 91us/step - loss: 1.1132  
Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 0.5153  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1378  
510/1148 [=====>...] - ETA: 0s - loss: 0.1510  
1149/1149 [=====] - 0s 148us/step - loss: 0.1364  
  
450/1149 [=====>...] - ETA: 0s - loss: 1.0426Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.1608  
1149/1149 [=====] - 1s 588us/step - loss: 1.0992  
Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 2.2300  
1080/1149 [=====>..] - ETA: 0s - loss: 0.2813  
1149/1149 [=====] - 0s 100us/step - loss: 0.2758  
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 0.1275  
480/1149 [=====>...] - ETA: 0s - loss: 1.1200  
1080/1148 [=====>..] - ETA: 0s - loss: 0.1440  
1148/1148 [=====] - 0s 99us/step - loss: 0.1406  
Epoch 7/10

30/1148 [...] - ETA: 0s - loss: 0.1309  
960/1149 [=====>...] - ETA: 0s - loss: 1.0794  
420/1149 [=====>...] - ETA: 0s - loss: 0.1080  
630/1149 [=====>...] - ETA: 0s - loss: 1.0290  
1149/1149 [=====] - 0s 114us/step - loss: 1.0539  
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 1.0643  
540/1149 [=====>...] - ETA: 0s - loss: 0.1713  
930/1149 [=====>...] - ETA: 0s - loss: 1.0822  
570/1148 [=====>...] - ETA: 0s - loss: 0.1351  
800/1149 [=====>...] - ETA: 0s - loss: 0.1275  
1149/1149 [=====] - 0s 120us/step - loss: 1.0384  
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 0.8694  
1110/1149 [=====>..] - ETA: 0s - loss: 1.0862  
1149/1149 [=====] - 0s 95us/step - loss: 1.0807

Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 0.5836  
480/1149 [=====>...] - ETA: 0s - loss: 0.8455  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1656  
1149/1149 [=====] - 0s 93us/step - loss: 0.1732  
Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.1056  
1148/1148 [=====] - 0s 86us/step - loss: 0.1300  
Epoch 8/10

30/1148 [...] - ETA: 0s - loss: 0.1091  
1149/1149 [=====] - 0s 130us/step - loss: 0.1339  
Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.1262  
390/1149 [=====>...] - ETA: 0s - loss: 0.8001  
420/1149 [=====>...] - ETA: 0s - loss: 0.9003  
810/1149 [=====>...] - ETA: 0s - loss: 0.8694  
720/1149 [=====>...] - ETA: 0s - loss: 0.1585  
660/1148 [=====>...] - ETA: 0s - loss: 0.1236  
400/1149 [=====>...] - ETA: 0s - loss: 0.1231  
810/1149 [=====>...] - ETA: 0s - loss: 0.8577  
1149/1149 [=====] - 0s 131us/step - loss: 0.8453  
  
840/1149 [=====>...] - ETA: 0s - loss: 0.9490Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 0.4847  
1149/1149 [=====] - 0s 85us/step - loss: 0.1477  
Epoch 9/10

30/1149 [...] - ETA: 0s - loss: 0.1781  
1148/1148 [=====] - 0s 91us/step - loss: 0.1238  
  
760/1149 [=====>...] - ETA: 0s - loss: 0.1413Epoch 9/10

30/1148 [...] - ETA: 0s - loss: 0.0721  
1149/1149 [=====] - 0s 132us/step - loss: 0.8695  
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 0.8878  
660/1149 [=====>...] - ETA: 0s - loss: 0.6566  
1140/1149 [=====>.] - ETA: 0s - loss: 0.9855  
1149/1149 [=====] - 0s 144us/step - loss: 1.0060  
  
600/1149 [=====>...] - ETA: 0s - loss: 0.1503Epoch 4/10

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30/1149 [...] - ETA: 0s - loss: 1.8479
1149/1149 [=====] - 0s 135us/step - loss: 0.1325

630/1148 [=====>...] - ETA: 0s - loss: 0.1173Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0901
1149/1149 [=====] - 0s 80us/step - loss: 0.5870
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.5360
270/1149 [=====>...] - ETA: 0s - loss: 0.6591
1149/1149 [=====] - 0s 85us/step - loss: 0.1383
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.1416
1148/1148 [=====] - 0s 84us/step - loss: 0.1191

390/1149 [=====>...] - ETA: 0s - loss: 0.8083Epoch 10/10

30/1148 [...] - ETA: 0s - loss: 0.0609Epoch 1/15

30/1148 [...] - ETA: 15s - loss: 0.3357Epoch 1/15

30/1149 [...] - ETA: 14s - loss: 1.0534
440/1149 [=====>...] - ETA: 0s - loss: 0.1454
450/1149 [=====>...] - ETA: 0s - loss: 0.4772
900/1149 [=====>...] - ETA: 0s - loss: 0.7192
630/1149 [=====>...] - ETA: 0s - loss: 0.1601
1149/1149 [=====] - 0s 114us/step - loss: 0.6577
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.4352
1080/1149 [=====>...] - ETA: 0s - loss: 0.8280
600/1148 [=====>...] - ETA: 0s - loss: 0.1116
210/1149 [=====>...] - ETA: 1s - loss: 1.2467
150/1148 [==>...] - ETA: 3s - loss: 0.3341
1149/1149 [=====] - 0s 100us/step - loss: 0.8277
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 0.9608
800/1149 [=====>...] - ETA: 0s - loss: 0.1370
990/1149 [=====>...] - ETA: 0s - loss: 0.4150
1149/1149 [=====] - 0s 90us/step - loss: 0.1341

1149/1149 [=====] - 0s 108us/step - loss: 0.3980
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 0.2781

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1148/1148 [=====] - 0s 89us/step - loss: 0.1151

690/1149 [=====>...] - ETA: 0s - loss: 0.4307
660/1149 [=====>...] - ETA: 0s - loss: 0.6205
420/1148 [=====>...] - ETA: 0s - loss: 0.3416
510/1149 [=====>...] - ETA: 0s - loss: 1.2912
1149/1149 [=====] - 0s 139us/step - loss: 0.1313

1149/1149 [=====] - 0s 81us/step - loss: 0.4688
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 0.3806
630/1149 [=====>...] - ETA: 0s - loss: 0.3214
1110/1149 [=====>..] - ETA: 0s - loss: 0.5769
1149/1149 [=====] - 0s 92us/step - loss: 0.5650
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.3825
750/1149 [=====>...] - ETA: 0s - loss: 1.1887
840/1148 [=====>...] - ETA: 0s - loss: 0.3773
570/1149 [=====>...] - ETA: 0s - loss: 0.3843
1149/1149 [=====] - 0s 91us/step - loss: 0.2986
Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.3579
720/1149 [=====>...] - ETA: 0s - loss: 0.3696
1148/1148 [=====] - 1s 543us/step - loss: 0.3672

930/1149 [=====>...] - ETA: 0s - loss: 1.1510Epoch 2/15

30/1148 [...] - ETA: 0s - loss: 0.4089
1110/1149 [=====>..] - ETA: 0s - loss: 0.3305
1149/1149 [=====] - 1s 546us/step - loss: 1.1912

630/1149 [=====>...] - ETA: 0s - loss: 0.2606
1149/1149 [=====] - 0s 97us/step - loss: 0.3309
Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 1.2993Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.1276
1149/1149 [=====] - 0s 82us/step - loss: 0.3309
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 0.5259
390/1148 [=====>...] - ETA: 0s - loss: 0.3708
1149/1149 [=====] - 0s 89us/step - loss: 0.2421
Epoch 9/10

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```

30/1149 [...] - ETA: 0s - loss: 0.2344
330/1149 [=====>...] - ETA: 0s - loss: 1.0875
570/1149 [=====>...] - ETA: 0s - loss: 0.2836
570/1149 [=====>...] - ETA: 0s - loss: 0.2495
750/1148 [=====>...] - ETA: 0s - loss: 0.3489
540/1149 [=====>...] - ETA: 0s - loss: 0.1944
750/1149 [=====>...] - ETA: 0s - loss: 1.1865
1020/1149 [=====>...] - ETA: 0s - loss: 0.2540
1080/1149 [=====>..] - ETA: 0s - loss: 0.2200
1149/1149 [=====] - 0s 97us/step - loss: 0.2133

1149/1149 [=====] - 0s 105us/step - loss: 0.2440
Epoch 9/10

30/1149 [...] - ETA: 0s - loss: 0.1639Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.2425
1110/1148 [=====>..] - ETA: 0s - loss: 0.3258
1148/1148 [=====] - 0s 149us/step - loss: 0.3218
Epoch 3/15

30/1148 [...] - ETA: 0s - loss: 0.3359
960/1149 [=====>...] - ETA: 0s - loss: 0.1932
990/1149 [=====>...] - ETA: 0s - loss: 1.2024
1149/1149 [=====] - 0s 115us/step - loss: 0.2065

510/1149 [=====>...] - ETA: 0s - loss: 0.1673
480/1149 [=====>...] - ETA: 0s - loss: 0.2025Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.2202
450/1148 [=====>...] - ETA: 0s - loss: 0.2816
1149/1149 [=====] - 0s 174us/step - loss: 1.1909
Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 1.6002
900/1149 [=====>...] - ETA: 0s - loss: 0.1653
450/1149 [=====>...] - ETA: 0s - loss: 0.1736
960/1149 [=====>...] - ETA: 0s - loss: 0.2018
930/1148 [=====>...] - ETA: 0s - loss: 0.2596
450/1149 [=====>...] - ETA: 0s - loss: 1.1750
1149/1149 [=====] - 0s 118us/step - loss: 0.1927
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.1670
1149/1149 [=====] - 0s 123us/step - loss: 0.1737
Epoch 9/10

```

30/1149 [...] - ETA: 0s - loss: 0.0725  
1148/1148 [=====] - 0s 128us/step - loss: 0.2528  
Epoch 4/15

30/1148 [...] - ETA: 0s - loss: 0.1591  
960/1149 [=====>...] - ETA: 0s - loss: 0.1912  
930/1149 [=====>...] - ETA: 0s - loss: 1.1439  
1149/1149 [=====] - 0s 113us/step - loss: 0.1848

600/1149 [=====>...] - ETA: 0s - loss: 0.1945  
510/1149 [=====>...] - ETA: 0s - loss: 0.1415  
1149/1149 [=====] - 0s 115us/step - loss: 1.1908  
Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.8380  
270/1148 [=====>...] - ETA: 0s - loss: 0.2059  
1149/1149 [=====] - 0s 89us/step - loss: 0.1662

990/1149 [=====>...] - ETA: 0s - loss: 0.1531  
1149/1149 [=====] - 0s 105us/step - loss: 0.1596  
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.2479  
600/1149 [=====>...] - ETA: 0s - loss: 1.2943  
720/1148 [=====>...] - ETA: 0s - loss: 0.1968  
1148/1148 [=====] - 0s 124us/step - loss: 0.1846  
Epoch 5/15

30/1148 [...] - ETA: 0s - loss: 0.2824  
1080/1149 [=====>..] - ETA: 0s - loss: 1.1860  
630/1149 [=====>...] - ETA: 0s - loss: 0.1583  
1149/1149 [=====] - 0s 101us/step - loss: 1.1899  
Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 2.5331  
630/1148 [=====>...] - ETA: 0s - loss: 0.1548  
1149/1149 [=====] - 0s 90us/step - loss: 0.1537

510/1149 [=====>...] - ETA: 0s - loss: 1.1768  
1148/1148 [=====] - 0s 90us/step - loss: 0.1561  
Epoch 6/15

30/1148 [...] - ETA: 0s - loss: 0.1402  
1149/1149 [=====] - 0s 92us/step - loss: 1.1813  
Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 1.1870  
600/1148 [=====>...] - ETA: 0s - loss: 0.1533



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630/1149 [=====>...] - ETA: 0s - loss: 1.1142
1110/1148 [=====>.] - ETA: 0s - loss: 0.1438
1148/1148 [=====] - 0s 107us/step - loss: 0.1439

840/1149 [=====>...] - ETA: 0s - loss: 1.1466Epoch 7/15

30/1148 [...] - ETA: 0s - loss: 0.1472
270/1148 [=====>...] - ETA: 0s - loss: 0.1561
1050/1149 [=====>...] - ETA: 0s - loss: 1.1263Epoch 1/15

30/1149 [...] - ETA: 18s - loss: 1.0431
1149/1149 [=====] - 0s 178us/step - loss: 1.1277
Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.9979
570/1148 [=====>...] - ETA: 0s - loss: 0.1406Epoch 1/15

30/1149 [...] - ETA: 18s - loss: 1.4040
300/1149 [=====>...] - ETA: 1s - loss: 1.1200
480/1149 [=====>...] - ETA: 0s - loss: 1.0813
1020/1148 [=====>...] - ETA: 0s - loss: 0.1359
420/1149 [=====>...] - ETA: 0s - loss: 0.9828
600/1149 [=====>...] - ETA: 0s - loss: 1.0974
1148/1148 [=====] - 0s 167us/step - loss: 0.1343
Epoch 8/15

30/1148 [...] - ETA: 0s - loss: 0.1003
930/1149 [=====>...] - ETA: 0s - loss: 1.0129Epoch 1/15

30/1149 [...] - ETA: 18s - loss: 0.9434
1149/1149 [=====] - 0s 108us/step - loss: 0.9893

870/1149 [=====>...] - ETA: 0s - loss: 1.0069Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.4835
900/1149 [=====>...] - ETA: 0s - loss: 1.1864
570/1148 [=====>...] - ETA: 0s - loss: 0.1313
1149/1149 [=====] - 1s 543us/step - loss: 1.0963
Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 2.1627
360/1149 [=====>...] - ETA: 1s - loss: 1.0387
630/1149 [=====>...] - ETA: 0s - loss: 0.7999
1140/1148 [=====>.] - ETA: 0s - loss: 0.1264
1148/1148 [=====] - 0s 93us/step - loss: 0.1262

1080/1149 [=====>...] - ETA: 0s - loss: 1.1528Epoch 9/15

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30/1148 [...] - ETA: 0s - loss: 0.1727  
660/1149 [=====>...] - ETA: 0s - loss: 1.1332  
1149/1149 [=====] - 1s 637us/step - loss: 1.1327  
Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 0.9899  
1149/1149 [=====] - 0s 88us/step - loss: 0.7788  
Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 1.0462  
750/1149 [=====>...] - ETA: 0s - loss: 1.0685  
570/1148 [=====>...] - ETA: 0s - loss: 0.1237  
1149/1149 [=====] - 0s 84us/step - loss: 1.0658  
Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 1.0220  
570/1149 [=====>...] - ETA: 0s - loss: 1.0847  
1140/1149 [=====>.] - ETA: 0s - loss: 1.1793  
630/1149 [=====>...] - ETA: 0s - loss: 0.6178  
1149/1149 [=====] - 1s 584us/step - loss: 1.1783  
Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 0.7709  
1080/1148 [=====>..] - ETA: 0s - loss: 0.1209  
1148/1148 [=====] - 0s 97us/step - loss: 0.1197  
Epoch 10/15

30/1148 [...] - ETA: 0s - loss: 0.1159  
570/1149 [=====>...] - ETA: 0s - loss: 1.0876  
1149/1149 [=====] - 0s 89us/step - loss: 1.0949  
1149/1149 [=====] - 0s 83us/step - loss: 0.5719  
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.6017Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 1.5010Epoch 1/20

30/1148 [...] - ETA: 14s - loss: 0.3609  
330/1149 [=====>...] - ETA: 0s - loss: 1.2083  
600/1148 [=====>...] - ETA: 0s - loss: 0.1036  
1110/1149 [=====>..] - ETA: 0s - loss: 0.9642  
1149/1149 [=====] - 0s 102us/step - loss: 0.9763  
Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 1.2805Epoch 1/20

30/1149 [...] - ETA: 15s - loss: 1.5559

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600/1149 [=====>...] - ETA: 0s - loss: 0.4495
420/1149 [=====>...] - ETA: 0s - loss: 1.0453
390/1148 [=====>...] - ETA: 0s - loss: 0.3789
870/1149 [=====>...] - ETA: 0s - loss: 1.1958
1148/1148 [=====] - 0s 86us/step - loss: 0.1138
Epoch 11/15

30/1148 [...] - ETA: 0s - loss: 0.1519
1149/1149 [=====] - 0s 88us/step - loss: 0.4146

570/1149 [=====>...] - ETA: 0s - loss: 1.0104
1149/1149 [=====] - 0s 120us/step - loss: 1.1662
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.3221Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 0.5823
180/1149 [===>...] - ETA: 2s - loss: 1.3337
990/1149 [=====>...] - ETA: 0s - loss: 0.9494
690/1148 [=====>...] - ETA: 0s - loss: 0.3717
1149/1149 [=====] - 0s 110us/step - loss: 0.9549
Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.6267
720/1148 [=====>...] - ETA: 0s - loss: 0.1120Epoch 1/20

30/1149 [...] - ETA: 16s - loss: 0.7126
1050/1149 [=====>...] - ETA: 0s - loss: 0.8322
510/1149 [=====>...] - ETA: 0s - loss: 1.1051
690/1149 [=====>...] - ETA: 0s - loss: 0.3302
330/1149 [=====>...] - ETA: 1s - loss: 1.3258
1080/1148 [=====>...] - ETA: 0s - loss: 0.3683
1149/1149 [=====] - 0s 104us/step - loss: 0.7999

1148/1148 [=====] - 0s 74us/step - loss: 0.1102
Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 0.3956Epoch 12/15

30/1148 [...] - ETA: 0s - loss: 0.1202
1148/1148 [=====] - 1s 491us/step - loss: 0.3693
Epoch 2/20

30/1148 [...] - ETA: 0s - loss: 0.3564
570/1149 [=====>...] - ETA: 0s - loss: 0.7709
300/1149 [=====>...] - ETA: 1s - loss: 1.1741
1149/1149 [=====] - 0s 86us/step - loss: 0.3195
Epoch 12/15

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30/1149 [...] - ETA: 0s - loss: 0.2421  
 960/1149 [=====>...] - ETA: 0s - loss: 1.1115  
 660/1149 [=====>...] - ETA: 0s - loss: 1.2042  
 540/1149 [=====>...] - ETA: 0s - loss: 0.6311  
 600/1148 [=====>...] - ETA: 0s - loss: 0.1068  
 1149/1149 [=====] - 0s 108us/step - loss: 1.1153  
 Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.5438  
 420/1148 [=====>...] - ETA: 0s - loss: 0.3684  
 1020/1149 [=====>...] - ETA: 0s - loss: 0.6898  
 1149/1149 [=====] - 0s 108us/step - loss: 0.6772  
 Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 0.5685  
 600/1149 [=====>...] - ETA: 0s - loss: 0.2754  
 630/1149 [=====>...] - ETA: 0s - loss: 1.2137  
 1020/1149 [=====>...] - ETA: 0s - loss: 1.2206  
 1050/1149 [=====>...] - ETA: 0s - loss: 0.5741  
 1148/1148 [=====] - 0s 91us/step - loss: 0.1074  
 Epoch 13/15

30/1148 [...] - ETA: 0s - loss: 0.0907  
 600/1149 [=====>...] - ETA: 0s - loss: 1.0437  
 1149/1149 [=====] - 0s 101us/step - loss: 0.5711

750/1148 [=====>...] - ETA: 0s - loss: 0.3568Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.6327  
 1149/1149 [=====] - 1s 575us/step - loss: 1.1895  
 Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 1.3197  
 1149/1149 [=====] - 0s 90us/step - loss: 0.2677

630/1149 [=====>...] - ETA: 0s - loss: 0.3929Epoch 13/15

30/1149 [...] - ETA: 0s - loss: 0.2929  
 1149/1149 [=====] - 0s 86us/step - loss: 0.9661  
 Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 1.1154  
 630/1148 [=====>...] - ETA: 0s - loss: 0.1173  
 810/1149 [=====>...] - ETA: 0s - loss: 1.1779  
 690/1149 [=====>...] - ETA: 0s - loss: 0.3999  
 1080/1148 [=====>...] - ETA: 0s - loss: 0.3358  
 510/1149 [=====>...] - ETA: 0s - loss: 1.1289

1148/1148 [=====] - 0s 150us/step - loss: 0.3330

1110/1149 [=====>..] - ETA: 0s - loss: 0.3813Epoch 3/20

30/1148 [...] - ETA: 0s - loss: 0.2725

510/1149 [=====>...] - ETA: 0s - loss: 0.2448

1149/1149 [=====] - 0s 96us/step - loss: 0.3806

Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.2163

1148/1148 [=====] - 0s 84us/step - loss: 0.1048

Epoch 14/15

30/1148 [...] - ETA: 0s - loss: 0.0937

1149/1149 [=====] - 0s 80us/step - loss: 0.3676

Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.4929

720/1149 [=====>...] - ETA: 0s - loss: 0.7610

960/1149 [=====>...] - ETA: 0s - loss: 1.2186

840/1149 [=====>...] - ETA: 0s - loss: 1.1995

1020/1149 [=====>...] - ETA: 0s - loss: 0.2398

420/1148 [=====>...] - ETA: 0s - loss: 0.2834

630/1149 [=====>...] - ETA: 0s - loss: 0.2447

1149/1149 [=====] - 0s 84us/step - loss: 0.6961

1149/1149 [=====] - 0s 105us/step - loss: 0.2361

Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.4508Epoch 14/15

30/1149 [...] - ETA: 0s - loss: 0.1443

660/1148 [=====>...] - ETA: 0s - loss: 0.0939

630/1149 [=====>...] - ETA: 0s - loss: 0.2361

1149/1149 [=====] - 1s 634us/step - loss: 1.1752

Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 1.2880

1149/1149 [=====] - 0s 130us/step - loss: 1.1696

Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.5011

840/1148 [=====>...] - ETA: 0s - loss: 0.2871

1149/1149 [=====] - 0s 94us/step - loss: 0.2285

Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.1273

1148/1148 [=====] - 0s 89us/step - loss: 0.1027

570/1149 [=====>...] - ETA: 0s - loss: 0.4726Epoch 15/15

30/1148 [...] - ETA: 0s - loss: 0.1219

690/1149 [=====>...] - ETA: 0s - loss: 0.2042

1080/1149 [=====>...] - ETA: 0s - loss: 0.2470

270/1149 [=====>...] - ETA: 0s - loss: 1.2053

1149/1149 [=====] - 0s 98us/step - loss: 0.2435

Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.2120

450/1149 [=====>...] - ETA: 0s - loss: 1.0726

1148/1148 [=====] - 0s 135us/step - loss: 0.2824

1149/1149 [=====] - 0s 78us/step - loss: 0.2143

Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.1575Epoch 4/20

30/1148 [...] - ETA: 0s - loss: 0.3023

570/1149 [=====>...] - ETA: 0s - loss: 0.1756

1149/1149 [=====] - 0s 89us/step - loss: 0.3976

600/1148 [=====>...] - ETA: 0s - loss: 0.0927Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.4354

510/1149 [=====>...] - ETA: 0s - loss: 1.2035

480/1149 [=====>...] - ETA: 0s - loss: 0.1663

960/1149 [=====>...] - ETA: 0s - loss: 1.0714

540/1149 [=====>...] - ETA: 0s - loss: 0.2088

450/1148 [=====>...] - ETA: 0s - loss: 0.2455

1149/1149 [=====] - 0s 113us/step - loss: 1.0937

Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 1.1885

1080/1149 [=====>...] - ETA: 0s - loss: 0.1641

420/1149 [=====>...] - ETA: 0s - loss: 0.2768

1080/1148 [=====>...] - ETA: 0s - loss: 0.1008

1149/1149 [=====] - 0s 104us/step - loss: 0.1642

1140/1149 [=====>...] - ETA: 0s - loss: 1.1455

1148/1148 [=====] - 0s 104us/step - loss: 0.1010

1149/1149 [=====] - 0s 139us/step - loss: 1.1488

990/1149 [=====>...] - ETA: 0s - loss: 0.1822Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.2138Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.1125  
1149/1149 [=====] - 0s 109us/step - loss: 0.1839  
Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.1332  
1050/1148 [=====>...] - ETA: 0s - loss: 0.2246  
990/1149 [=====>...] - ETA: 0s - loss: 0.2001  
570/1149 [=====>...] - ETA: 0s - loss: 0.8223  
840/1149 [=====>...] - ETA: 0s - loss: 0.2335  
1148/1148 [=====] - 0s 105us/step - loss: 0.2224  
Epoch 5/20

30/1148 [...] - ETA: 0s - loss: 0.1906  
1149/1149 [=====] - 0s 112us/step - loss: 0.1974  
  
510/1149 [=====>...] - ETA: 0s - loss: 0.1545  
630/1149 [=====>...] - ETA: 0s - loss: 1.1103  
1149/1149 [=====] - 0s 123us/step - loss: 0.2172  
Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.1405  
660/1149 [=====>...] - ETA: 0s - loss: 0.1568  
1149/1149 [=====] - 0s 90us/step - loss: 0.9265  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.7711  
660/1148 [=====>...] - ETA: 0s - loss: 0.1822  
1149/1149 [=====] - 0s 84us/step - loss: 1.0456  
Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 0.6652  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1460  
1149/1149 [=====] - 0s 100us/step - loss: 0.1440  
Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.1282  
660/1149 [=====>...] - ETA: 0s - loss: 0.1624  
1149/1149 [=====] - 0s 93us/step - loss: 0.1588  
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.1153  
600/1149 [=====>...] - ETA: 0s - loss: 0.7394  
1148/1148 [=====] - 0s 96us/step - loss: 0.1740

630/1149 [=====>...] - ETA: 0s - loss: 0.7815Epoch 6/20

30/1148 [...] - ETA: 0s - loss: 0.2172

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450/1149 [=====>...] - ETA: 0s - loss: 0.1190
1110/1149 [=====>...] - ETA: 0s - loss: 0.1567
420/1149 [=====>...] - ETA: 0s - loss: 0.1603
990/1149 [=====>...] - ETA: 0s - loss: 0.6855
1149/1149 [=====] - 0s 103us/step - loss: 0.1569
Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.1101
1020/1149 [=====>...] - ETA: 0s - loss: 0.8311
420/1148 [=====>...] - ETA: 0s - loss: 0.1524
960/1149 [=====>...] - ETA: 0s - loss: 0.1443
1149/1149 [=====] - 0s 124us/step - loss: 0.6780
Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 0.3797
1149/1149 [=====] - 0s 120us/step - loss: 0.8155

1050/1149 [=====>...] - ETA: 0s - loss: 0.1481Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.3493
1149/1149 [=====] - 0s 112us/step - loss: 0.1372
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.1484
300/1149 [=====>...] - ETA: 0s - loss: 0.1483
1149/1149 [=====] - 0s 104us/step - loss: 0.1491
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.0932
690/1148 [=====>...] - ETA: 0s - loss: 0.1655
420/1149 [=====>...] - ETA: 0s - loss: 0.4905
420/1149 [=====>...] - ETA: 0s - loss: 0.5586
600/1149 [=====>...] - ETA: 0s - loss: 0.1268
690/1149 [=====>...] - ETA: 0s - loss: 0.1465
630/1149 [=====>...] - ETA: 0s - loss: 0.1338
1080/1148 [=====>...] - ETA: 0s - loss: 0.1464
1148/1148 [=====] - 0s 148us/step - loss: 0.1483
Epoch 7/20

30/1148 [...] - ETA: 0s - loss: 0.1087
930/1149 [=====>...] - ETA: 0s - loss: 0.4261
960/1149 [=====>...] - ETA: 0s - loss: 0.5391
1140/1149 [=====>...] - ETA: 0s - loss: 0.1342
1149/1149 [=====] - 0s 137us/step - loss: 0.1424

1149/1149 [=====] - 0s 96us/step - loss: 0.1335
Epoch 10/15

```



30/1149 [...] - ETA: 0s - loss: 0.0780  
1110/1149 [=====>...] - ETA: 0s - loss: 0.1362  
1149/1149 [=====] - 0s 114us/step - loss: 0.4119  
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.0734Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.1268  
1149/1149 [=====] - 0s 109us/step - loss: 0.5251  
1149/1149 [=====] - 0s 100us/step - loss: 0.1441  
Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 0.2293Epoch 12/15

30/1149 [...] - ETA: 0s - loss: 0.1560  
660/1148 [=====>...] - ETA: 0s - loss: 0.1404  
540/1149 [=====>...] - ETA: 0s - loss: 0.1474  
660/1149 [=====>...] - ETA: 0s - loss: 0.2828  
390/1149 [=====>...] - ETA: 0s - loss: 0.1268  
630/1149 [=====>...] - ETA: 0s - loss: 0.3481  
1148/1148 [=====] - 0s 88us/step - loss: 0.1365  
Epoch 8/20

30/1148 [...] - ETA: 0s - loss: 0.0933  
420/1149 [=====>...] - ETA: 0s - loss: 0.1115  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1391  
1149/1149 [=====] - 0s 91us/step - loss: 0.2363  
1149/1149 [=====] - 0s 98us/step - loss: 0.1383  
780/1149 [=====>...] - ETA: 0s - loss: 0.1270Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.1355Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.1482  
1140/1149 [=====>.] - ETA: 0s - loss: 0.3116  
450/1148 [=====>...] - ETA: 0s - loss: 0.1401  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1357  
1149/1149 [=====] - 0s 103us/step - loss: 0.3116  
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.2454  
1149/1149 [=====] - 0s 119us/step - loss: 0.1297  
Epoch 12/15

30/1149 [...] - ETA: 0s - loss: 0.1222  
1149/1149 [=====] - 0s 112us/step - loss: 0.1414

Epoch 13/15

```
30/1149 [...] - ETA: 0s - loss: 0.1305
630/1149 [=====>...] - ETA: 0s - loss: 0.1233
420/1149 [=====>...] - ETA: 0s - loss: 0.1712
810/1148 [=====>...] - ETA: 0s - loss: 0.1340
390/1149 [=====>...] - ETA: 0s - loss: 0.2148
660/1149 [=====>...] - ETA: 0s - loss: 0.1215
660/1149 [=====>...] - ETA: 0s - loss: 0.1204
1148/1148 [=====] - 0s 124us/step - loss: 0.1298

1149/1149 [=====] - 0s 91us/step - loss: 0.1356
Epoch 9/20
```

```
30/1148 [...] - ETA: 0s - loss: 0.2593
870/1149 [=====>...] - ETA: 0s - loss: 0.1608Epoch 12/15
```

```
30/1149 [...] - ETA: 0s - loss: 0.0634
870/1149 [=====>...] - ETA: 0s - loss: 0.2216
1149/1149 [=====] - 0s 86us/step - loss: 0.1270
Epoch 13/15
```

```
30/1149 [...] - ETA: 0s - loss: 0.0681
1149/1149 [=====] - 0s 100us/step - loss: 0.1392
```

```
330/1148 [=====>...] - ETA: 0s - loss: 0.1324Epoch 14/15
```

```
30/1149 [...] - ETA: 0s - loss: 0.1610
1149/1149 [=====] - 0s 138us/step - loss: 0.1594
```

```
330/1149 [=====>...] - ETA: 0s - loss: 0.1312Epoch 9/20
```

```
30/1149 [...] - ETA: 0s - loss: 0.1031
1149/1149 [=====] - 0s 134us/step - loss: 0.2076
Epoch 8/20
```

```
30/1149 [...] - ETA: 0s - loss: 0.1805
390/1149 [=====>...] - ETA: 0s - loss: 0.1110
990/1148 [=====>...] - ETA: 0s - loss: 0.1276
630/1149 [=====>...] - ETA: 0s - loss: 0.1445
900/1149 [=====>...] - ETA: 0s - loss: 0.1259
570/1149 [=====>...] - ETA: 0s - loss: 0.1434
1148/1148 [=====] - 0s 105us/step - loss: 0.1245
Epoch 10/20
```

```
30/1148 [...] - ETA: 0s - loss: 0.0981
660/1149 [=====>...] - ETA: 0s - loss: 0.1662
900/1149 [=====>...] - ETA: 0s - loss: 0.1154
```

```

1149/1149 [=====] - 0s 114us/step - loss: 0.1335
Epoch 13/15

 30/1149 [...] - ETA: 0s - loss: 0.1070
1149/1149 [=====] - 0s 89us/step - loss: 0.1367
Epoch 15/15

 30/1149 [...] - ETA: 0s - loss: 0.0989
1149/1149 [=====] - 0s 118us/step - loss: 0.1255

1110/1149 [=====>..] - ETA: 0s - loss: 0.1355Epoch 14/15

 30/1149 [...] - ETA: 0s - loss: 0.0956
1149/1149 [=====] - 0s 82us/step - loss: 0.1670
Epoch 9/20

 30/1149 [...] - ETA: 0s - loss: 0.1730
1149/1149 [=====] - 0s 98us/step - loss: 0.1355
Epoch 10/20

 30/1149 [...] - ETA: 0s - loss: 0.0451
720/1148 [=====>...] - ETA: 0s - loss: 0.1210
480/1149 [=====>...] - ETA: 0s - loss: 0.1312
510/1149 [=====>...] - ETA: 0s - loss: 0.1251
600/1149 [=====>...] - ETA: 0s - loss: 0.1241
1148/1148 [=====] - 0s 83us/step - loss: 0.1199
Epoch 11/20

 30/1148 [...] - ETA: 0s - loss: 0.0977
420/1149 [=====>...] - ETA: 0s - loss: 0.1760
510/1149 [=====>...] - ETA: 0s - loss: 0.1255
960/1149 [=====>...] - ETA: 0s - loss: 0.1300
1020/1149 [=====>...] - ETA: 0s - loss: 0.1363
1140/1149 [=====>.] - ETA: 0s - loss: 0.1241
1149/1149 [=====] - 0s 113us/step - loss: 0.1322

1149/1149 [=====] - 0s 105us/step - loss: 0.1346
Epoch 14/15

 30/1149 [...] - ETA: 0s - loss: 0.1868
1149/1149 [=====] - 0s 94us/step - loss: 0.1237

540/1148 [=====>...] - ETA: 0s - loss: 0.1150Epoch 15/15

 30/1149 [...] - ETA: 0s - loss: 0.1347
900/1149 [=====>...] - ETA: 0s - loss: 0.1581
990/1149 [=====>...] - ETA: 0s - loss: 0.1323
1149/1149 [=====] - 0s 106us/step - loss: 0.1282

```

Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.0991  
1149/1149 [=====] - 0s 117us/step - loss: 0.1530  
Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.1604  
540/1149 [=====>...] - ETA: 0s - loss: 0.1147  
540/1149 [=====>...] - ETA: 0s - loss: 0.1116  
1050/1148 [=====>...] - ETA: 0s - loss: 0.1188  
1148/1148 [=====] - 0s 104us/step - loss: 0.1161  
Epoch 12/20

30/1148 [...] - ETA: 0s - loss: 0.0789  
570/1149 [=====>...] - ETA: 0s - loss: 0.1338  
570/1149 [=====>...] - ETA: 0s - loss: 0.1587Epoch 1/20

30/1149 [...] - ETA: 17s - loss: 0.3366  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1303  
1110/1149 [=====>...] - ETA: 0s - loss: 0.1232  
1149/1149 [=====] - 0s 98us/step - loss: 0.1314  
  
1149/1149 [=====] - 0s 96us/step - loss: 0.1221  
Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.0973  
510/1148 [=====>...] - ETA: 0s - loss: 0.1191  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1247Epoch 1/20

30/1149 [...] - ETA: 15s - loss: 0.8886  
1149/1149 [=====] - 0s 98us/step - loss: 0.1249  
  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1450Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.0955  
1149/1149 [=====] - 0s 93us/step - loss: 0.1461

420/1149 [=====>...] - ETA: 0s - loss: 1.2009 Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.1150  
690/1149 [=====>...] - ETA: 0s - loss: 0.1379  
990/1148 [=====>...] - ETA: 0s - loss: 0.1163  
690/1149 [=====>...] - ETA: 0s - loss: 0.1250  
870/1149 [=====>...] - ETA: 0s - loss: 1.1705  
630/1149 [=====>...] - ETA: 0s - loss: 0.1425  
1148/1148 [=====] - 0s 110us/step - loss: 0.1127  
Epoch 13/20

```

30/1148 [...] - ETA: 0s - loss: 0.1421
1149/1149 [=====] - 0s 85us/step - loss: 0.1302

1149/1149 [=====] - 1s 527us/step - loss: 1.1347
Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 2.4740
1149/1149 [=====] - 0s 79us/step - loss: 0.1232
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.0960
120/1149 [==>...] - ETA: 4s - loss: 0.8534
1149/1149 [=====] - 0s 87us/step - loss: 0.1423
Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.4492
630/1148 [=====>...] - ETA: 0s - loss: 0.1128
240/1149 [=====>...] - ETA: 1s - loss: 0.9496
540/1149 [=====>...] - ETA: 0s - loss: 1.1975
630/1149 [=====>...] - ETA: 0s - loss: 0.1254
660/1149 [=====>...] - ETA: 0s - loss: 0.1401
1148/1148 [=====] - 0s 92us/step - loss: 0.1095
Epoch 14/20

30/1148 [...] - ETA: 0s - loss: 0.1258
630/1149 [=====>...] - ETA: 0s - loss: 0.9875
810/1149 [=====>...] - ETA: 0s - loss: 1.1500
1149/1149 [=====] - 0s 87us/step - loss: 0.1212
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.1216
1149/1149 [=====] - 0s 83us/step - loss: 0.1400
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1098
750/1148 [=====>...] - ETA: 0s - loss: 0.1101
1149/1149 [=====] - 0s 120us/step - loss: 1.1116
Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.2026
1020/1149 [=====>...] - ETA: 0s - loss: 1.0727
570/1149 [=====>...] - ETA: 0s - loss: 0.1340
1149/1149 [=====] - 1s 567us/step - loss: 1.1000
Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 0.4097
540/1149 [=====>...] - ETA: 0s - loss: 0.1413
1148/1148 [=====] - 0s 78us/step - loss: 0.1069

```

Epoch 15/20

30/1148 [...] - ETA: 0s - loss: 0.0912  
450/1149 [=====>...] - ETA: 0s - loss: 1.0515  
1149/1149 [=====] - 0s 89us/step - loss: 0.1198  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.1048  
570/1149 [=====>...] - ETA: 0s - loss: 1.1081  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1400  
630/1148 [=====>...] - ETA: 0s - loss: 0.0977  
1149/1149 [=====] - 0s 99us/step - loss: 0.1377  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.1496  
1020/1149 [=====>...] - ETA: 0s - loss: 1.0601  
1149/1149 [=====] - 0s 100us/step - loss: 1.0309  
Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 0.5419  
690/1149 [=====>...] - ETA: 0s - loss: 0.1179  
1148/1148 [=====] - 0s 85us/step - loss: 0.1046  
1020/1149 [=====>...] - ETA: 0s - loss: 1.0674Epoch 16/20

30/1148 [...] - ETA: 0s - loss: 0.0822  
570/1149 [=====>...] - ETA: 0s - loss: 0.1227  
1149/1149 [=====] - 0s 115us/step - loss: 1.0819  
Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.8781  
1149/1149 [=====] - 0s 84us/step - loss: 0.1190  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.0736  
480/1149 [=====>...] - ETA: 0s - loss: 0.9087  
570/1148 [=====>...] - ETA: 0s - loss: 0.0984  
1149/1149 [=====] - 0s 92us/step - loss: 0.1359  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.1106  
480/1149 [=====>...] - ETA: 0s - loss: 1.0545  
540/1149 [=====>...] - ETA: 0s - loss: 0.1152  
930/1149 [=====>...] - ETA: 0s - loss: 0.8526Epoch 1/5

5/1148 [...] - ETA: 1:27 - loss: 0.2383  
1140/1148 [=====>.] - ETA: 0s - loss: 0.1026  
1148/1148 [=====] - 0s 92us/step - loss: 0.1023

Epoch 17/20

30/1148 [...] - ETA: 0s - loss: 0.0907  
1149/1149 [=====] - 0s 111us/step - loss: 0.8566  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 1.5755  
630/1149 [=====>...] - ETA: 0s - loss: 0.1273  
900/1149 [=====>...] - ETA: 0s - loss: 1.0180  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1184  
1149/1149 [=====] - 0s 92us/step - loss: 0.1180  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.0881  
1149/1149 [=====] - 0s 105us/step - loss: 1.0203

75/1148 [>...] - ETA: 6s - loss: 0.3795 Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 1.2360  
690/1148 [=====>...] - ETA: 0s - loss: 0.0858  
1149/1149 [=====] - 0s 82us/step - loss: 0.1338  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.1187  
570/1149 [=====>...] - ETA: 0s - loss: 0.7088  
660/1149 [=====>...] - ETA: 0s - loss: 0.1228  
150/1148 [==>...] - ETA: 3s - loss: 0.3699  
1148/1148 [=====] - 0s 83us/step - loss: 0.1006

630/1149 [=====>...] - ETA: 0s - loss: 0.9804Epoch 18/20

30/1148 [...] - ETA: 0s - loss: 0.0703  
630/1149 [=====>...] - ETA: 0s - loss: 0.1471  
1149/1149 [=====] - 0s 88us/step - loss: 0.6316  
Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 0.8484  
1149/1149 [=====] - 0s 85us/step - loss: 0.1174  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.1033  
1149/1149 [=====] - 0s 87us/step - loss: 0.8810  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.9961  
240/1148 [=====>...] - ETA: 2s - loss: 0.3637  
660/1148 [=====>...] - ETA: 0s - loss: 0.0948Epoch 1/5

5/1149 [...] - ETA: 1:27 - loss: 2.0158  
1149/1149 [=====] - 0s 88us/step - loss: 0.1328  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.2077  
780/1149 [=====>...] - ETA: 0s - loss: 0.4775  
750/1149 [=====>...] - ETA: 0s - loss: 0.1054  
1148/1148 [=====] - 0s 86us/step - loss: 0.0991  
Epoch 19/20

30/1148 [...] - ETA: 0s - loss: 0.0737  
660/1149 [=====>...] - ETA: 0s - loss: 0.7609  
1149/1149 [=====] - 0s 76us/step - loss: 0.4257  
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.2997  
305/1148 [=====>...] - ETA: 1s - loss: 0.3389  
660/1149 [=====>...] - ETA: 0s - loss: 0.1287  
25/1149 [...] - ETA: 19s - loss: 1.1755  
1149/1149 [=====] - 0s 72us/step - loss: 0.1166  
Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.0979  
1149/1149 [=====] - 0s 78us/step - loss: 0.6908  
Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 0.5729  
690/1148 [=====>...] - ETA: 0s - loss: 0.1001  
570/1149 [=====>...] - ETA: 0s - loss: 0.3314  
395/1148 [=====>...] - ETA: 1s - loss: 0.3318  
1149/1149 [=====] - 0s 88us/step - loss: 0.1312  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.2252  
65/1149 [>...] - ETA: 8s - loss: 1.5267  
660/1149 [=====>...] - ETA: 0s - loss: 0.1107  
1148/1148 [=====] - 0s 77us/step - loss: 0.0976  
Epoch 20/20

30/1148 [...] - ETA: 0s - loss: 0.1114  
690/1149 [=====>...] - ETA: 0s - loss: 0.5029  
1149/1149 [=====] - 0s 86us/step - loss: 0.2831  
Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.3741  
470/1148 [=====>...] - ETA: 1s - loss: 0.3250  
1149/1149 [=====] - 0s 79us/step - loss: 0.1165



720/1149 [=====>...] - ETA: 0s - loss: 0.1451Epoch 20/20

30/1149 [...] - ETA: 0s - loss: 0.1740

105/1149 [=>...] - ETA: 5s - loss: 1.7159

1149/1149 [=====] - 0s 76us/step - loss: 0.5135

Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.2512

600/1148 [=====>...] - ETA: 0s - loss: 0.0953

750/1149 [=====>...] - ETA: 0s - loss: 0.2034

1149/1149 [=====] - 0s 81us/step - loss: 0.1298

Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.0956

570/1148 [=====>...] - ETA: 0s - loss: 0.3268

660/1149 [=====>...] - ETA: 0s - loss: 0.1031

150/1149 [==>...] - ETA: 3s - loss: 1.4272

660/1149 [=====>...] - ETA: 0s - loss: 0.3761

1149/1149 [=====] - 0s 77us/step - loss: 0.2065

1148/1148 [=====] - 0s 91us/step - loss: 0.0965

Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.1834

630/1149 [=====>...] - ETA: 0s - loss: 0.1430

1149/1149 [=====] - 0s 84us/step - loss: 0.1157

640/1148 [=====>...] - ETA: 0s - loss: 0.3215

205/1149 [=====>...] - ETA: 2s - loss: 1.4426

1149/1149 [=====] - 0s 90us/step - loss: 0.3701

Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.3552

630/1149 [=====>...] - ETA: 0s - loss: 0.1615Epoch 1/5

5/1149 [...] - ETA: 2:15 - loss: 1.3032

1149/1149 [=====] - 0s 86us/step - loss: 0.1294

Epoch 20/20

30/1149 [...] - ETA: 0s - loss: 0.1883

715/1148 [=====>...] - ETA: 0s - loss: 0.3170

305/1149 [=====>...] - ETA: 1s - loss: 1.3339

660/1149 [=====>...] - ETA: 0s - loss: 0.2724

1149/1149 [=====] - 0s 84us/step - loss: 0.1801

Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.1276

30/1149 [...] - ETA: 24s - loss: 1.1501

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660/1149 [=====>...] - ETA: 0s - loss: 0.1299
795/1148 [=====>...] - ETA: 0s - loss: 0.3058
400/1149 [=====>...] - ETA: 1s - loss: 1.2980
1149/1149 [=====] - 0s 85us/step - loss: 0.2723
Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.1215
720/1149 [=====>...] - ETA: 0s - loss: 0.1553
1149/1149 [=====] - 0s 80us/step - loss: 0.1284

70/1149 [>...] - ETA: 10s - loss: 1.4515
900/1148 [=====>...] - ETA: 0s - loss: 0.2996
1149/1149 [=====] - 0s 77us/step - loss: 0.1695

485/1149 [=====>...] - ETA: 1s - loss: 1.2263Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.1617
720/1149 [=====>...] - ETA: 0s - loss: 0.2375
130/1149 [==>...] - ETA: 5s - loss: 1.5320
1030/1148 [=====>...] - ETA: 0s - loss: 0.2924
1149/1149 [=====] - 0s 79us/step - loss: 0.2183
Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.1398
625/1149 [=====>...] - ETA: 0s - loss: 1.1235
600/1149 [=====>...] - ETA: 0s - loss: 0.1823
195/1149 [====>...] - ETA: 3s - loss: 1.2106
1148/1148 [=====] - 1s 917us/step - loss: 0.2794
Epoch 2/5

5/1148 [...] - ETA: 0s - loss: 0.3506
1149/1149 [=====] - 0s 84us/step - loss: 0.1621

600/1149 [=====>...] - ETA: 0s - loss: 0.1983Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.0842
735/1149 [=====>...] - ETA: 0s - loss: 1.1016
315/1149 [=====>...] - ETA: 2s - loss: 1.2214
150/1148 [==>...] - ETA: 0s - loss: 0.1811
1149/1149 [=====] - 0s 91us/step - loss: 0.1828
Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.1296
660/1149 [=====>...] - ETA: 0s - loss: 0.1615
825/1149 [=====>...] - ETA: 0s - loss: 1.0604
415/1149 [=====>...] - ETA: 1s - loss: 1.2304
280/1148 [=====>...] - ETA: 0s - loss: 0.1634
1149/1149 [=====] - 0s 85us/step - loss: 0.1560

```

Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1738  
570/1149 [=====>...] - ETA: 0s - loss: 0.1505  
890/1149 [=====>...] - ETA: 0s - loss: 1.1266  
520/1149 [=====>...] - ETA: 1s - loss: 1.2257  
365/1148 [=====>...] - ETA: 0s - loss: 0.1658  
630/1149 [=====>...] - ETA: 0s - loss: 0.1499  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1679  
1005/1149 [=====>...] - ETA: 0s - loss: 1.1053  
1149/1149 [=====] - 0s 110us/step - loss: 0.1640  
Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.0671  
655/1149 [=====>...] - ETA: 0s - loss: 1.1703  
450/1148 [=====>...] - ETA: 0s - loss: 0.1615  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1486  
1149/1149 [=====] - 0s 94us/step - loss: 0.1492  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.1575  
1125/1149 [=====>.] - ETA: 0s - loss: 1.1231  
1149/1149 [=====] - 1s 976us/step - loss: 1.1094  
Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 0.8871  
570/1149 [=====>...] - ETA: 0s - loss: 0.1522  
765/1149 [=====>...] - ETA: 0s - loss: 1.1688  
550/1148 [=====>...] - ETA: 0s - loss: 0.1640  
510/1149 [=====>...] - ETA: 0s - loss: 0.1586  
1149/1149 [=====] - 0s 83us/step - loss: 0.1509  
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.0940  
110/1149 [=>...] - ETA: 0s - loss: 0.7178  
870/1149 [=====>...] - ETA: 0s - loss: 1.1888  
635/1148 [=====>...] - ETA: 0s - loss: 0.1638  
1110/1149 [=====>..] - ETA: 0s - loss: 0.1441  
1149/1149 [=====] - 0s 95us/step - loss: 0.1433  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.0740Epoch 1/5

5/1149 [...] - ETA: 59s - loss: 0.3363  
750/1149 [=====>...] - ETA: 0s - loss: 0.1386  
210/1149 [====>...] - ETA: 0s - loss: 0.7026  
990/1149 [=====>...] - ETA: 0s - loss: 1.1545  
735/1148 [=====>...] - ETA: 0s - loss: 0.1629

1149/1149 [=====] - 0s 78us/step - loss: 0.1421  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.0866  
40/1149 [>...] - ETA: 8s - loss: 0.8377  
600/1149 [=====>...] - ETA: 0s - loss: 0.1445  
345/1149 [=====>...] - ETA: 0s - loss: 0.6997  
1100/1149 [=====>..] - ETA: 0s - loss: 1.1246  
870/1148 [=====>...] - ETA: 0s - loss: 0.1546  
1149/1149 [=====] - 1s 1ms/step - loss: 1.1121  
Epoch 1/10

5/1148 [...] - ETA: 1:06 - loss: 0.2293Epoch 2/5

5/1149 [...] - ETA: 0s - loss: 0.3906  
480/1149 [=====>...] - ETA: 0s - loss: 0.1502  
1149/1149 [=====] - 0s 92us/step - loss: 0.1391

90/1149 [=>...] - ETA: 4s - loss: 0.8119Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.1129  
475/1149 [=====>...] - ETA: 0s - loss: 0.7717  
1005/1148 [=====>...] - ETA: 0s - loss: 0.1586  
120/1149 [==>...] - ETA: 0s - loss: 0.6879  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1372  
35/1148 [...] - ETA: 11s - loss: 0.4302  
170/1149 [===>...] - ETA: 2s - loss: 1.2808  
720/1149 [=====>...] - ETA: 0s - loss: 0.1316  
1149/1149 [=====] - 0s 99us/step - loss: 0.1382  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.1074  
610/1149 [=====>...] - ETA: 0s - loss: 0.7349  
1148/1148 [=====] - 1s 451us/step - loss: 0.1560  
Epoch 3/5

5/1148 [...] - ETA: 0s - loss: 0.1818  
250/1149 [=====>...] - ETA: 0s - loss: 0.7590  
265/1149 [=====>...] - ETA: 1s - loss: 1.2726  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1356  
630/1149 [=====>...] - ETA: 0s - loss: 0.1368  
90/1148 [=>...] - ETA: 4s - loss: 0.3760  
1149/1149 [=====] - 0s 96us/step - loss: 0.1361  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.1130  
745/1149 [=====>...] - ETA: 0s - loss: 0.7136Epoch 1/5

5/1149 [...] - ETA: 1:14 - loss: 1.1370  
130/1148 [==>...] - ETA: 0s - loss: 0.1253  
385/1149 [=====>...] - ETA: 0s - loss: 0.6926  
1149/1149 [=====] - 0s 84us/step - loss: 0.1345  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.0814  
350/1149 [=====>...] - ETA: 1s - loss: 1.1455  
145/1148 [==>...] - ETA: 3s - loss: 0.3572  
875/1149 [=====>...] - ETA: 0s - loss: 0.6806  
570/1149 [=====>...] - ETA: 0s - loss: 0.1313  
25/1149 [...] - ETA: 17s - loss: 1.2733  
225/1148 [====>...] - ETA: 0s - loss: 0.1173  
510/1149 [=====>...] - ETA: 0s - loss: 0.8402  
540/1149 [=====>...] - ETA: 0s - loss: 0.1242  
1149/1149 [=====] - 0s 84us/step - loss: 0.1344

455/1149 [=====>...] - ETA: 0s - loss: 1.1741Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.1142  
215/1148 [====>...] - ETA: 2s - loss: 0.3607  
1000/1149 [=====>...] - ETA: 0s - loss: 0.7172  
80/1149 [=>...] - ETA: 5s - loss: 1.4182  
330/1148 [=====>...] - ETA: 0s - loss: 0.1222  
635/1149 [=====>...] - ETA: 0s - loss: 0.8069  
575/1149 [=====>...] - ETA: 0s - loss: 1.1411  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1366  
690/1149 [=====>...] - ETA: 0s - loss: 0.1470  
1149/1149 [=====] - 0s 98us/step - loss: 0.1313

280/1148 [=====>...] - ETA: 1s - loss: 0.3561Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.1243  
1115/1149 [=====>...] - ETA: 0s - loss: 0.6860  
1149/1149 [=====] - 0s 413us/step - loss: 0.6796  
Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 0.3478  
115/1149 [==>...] - ETA: 4s - loss: 1.2429  
455/1148 [=====>...] - ETA: 0s - loss: 0.1312  
750/1149 [=====>...] - ETA: 0s - loss: 0.7607  
1149/1149 [=====] - 0s 82us/step - loss: 0.1334  
Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.1134  
690/1149 [=====>...] - ETA: 0s - loss: 1.1427  
350/1148 [=====>...] - ETA: 1s - loss: 0.3458  
690/1149 [=====>...] - ETA: 0s - loss: 0.1336

125/1149 [==>...] - ETA: 0s - loss: 0.4041  
140/1149 [==>...] - ETA: 3s - loss: 1.1310  
575/1148 [=====>...] - ETA: 0s - loss: 0.1286  
890/1149 [=====>...] - ETA: 0s - loss: 0.7106  
1149/1149 [=====] - 0s 76us/step - loss: 0.1289

690/1149 [=====>...] - ETA: 0s - loss: 0.1318Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.0688  
755/1149 [=====>...] - ETA: 0s - loss: 1.1485  
415/1148 [=====>...] - ETA: 1s - loss: 0.3344  
255/1149 [=====>...] - ETA: 0s - loss: 0.4359  
165/1149 [===>...] - ETA: 3s - loss: 1.1999  
1149/1149 [=====] - 0s 75us/step - loss: 0.1323  
Epoch 20/20

30/1149 [...] - ETA: 0s - loss: 0.1353  
705/1148 [=====>...] - ETA: 0s - loss: 0.1229  
1025/1149 [=====>...] - ETA: 0s - loss: 0.6814  
660/1149 [=====>...] - ETA: 0s - loss: 0.1174  
800/1149 [=====>...] - ETA: 0s - loss: 1.1811  
490/1148 [=====>...] - ETA: 0s - loss: 0.3342  
385/1149 [=====>...] - ETA: 0s - loss: 0.4103  
720/1149 [=====>...] - ETA: 0s - loss: 0.1133  
1149/1149 [=====] - 0s 84us/step - loss: 0.1276

815/1148 [=====>...] - ETA: 0s - loss: 0.1196Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.1438  
1145/1149 [=====>.] - ETA: 0s - loss: 0.6511  
1149/1149 [=====] - 0s 401us/step - loss: 0.6493

180/1149 [===>...] - ETA: 3s - loss: 1.3411Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 0.9846  
905/1149 [=====>...] - ETA: 0s - loss: 1.1426  
1149/1149 [=====] - 0s 72us/step - loss: 0.1319

600/1148 [=====>...] - ETA: 0s - loss: 0.3130  
475/1149 [=====>...] - ETA: 0s - loss: 0.3708  
930/1148 [=====>...] - ETA: 0s - loss: 0.1188  
720/1149 [=====>...] - ETA: 0s - loss: 0.1303  
95/1149 [=>...] - ETA: 0s - loss: 0.3899  
1015/1149 [=====>...] - ETA: 0s - loss: 1.1160  
740/1148 [=====>...] - ETA: 0s - loss: 0.2984  
220/1149 [=====>...] - ETA: 3s - loss: 1.2461  
1149/1149 [=====] - 0s 76us/step - loss: 0.1251  
Epoch 20/20

```

30/1149 [...] - ETA: 0s - loss: 0.0828
595/1149 [=====>...] - ETA: 0s - loss: 0.3540
1035/1148 [=====>...] - ETA: 0s - loss: 0.1220
200/1149 [=====>...] - ETA: 0s - loss: 0.3669
1105/1149 [=====>..] - ETA: 0s - loss: 1.1020
845/1148 [=====>...] - ETA: 0s - loss: 0.2890
365/1149 [=====>...] - ETA: 1s - loss: 1.1891
690/1149 [=====>...] - ETA: 0s - loss: 0.1199
715/1149 [=====>...] - ETA: 0s - loss: 0.3582
1148/1148 [=====] - 1s 444us/step - loss: 0.1208
Epoch 4/5

```

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5/1148 [...] - ETA: 0s - loss: 0.1039
1149/1149 [=====] - 1s 839us/step - loss: 1.0878
Epoch 2/5

```

```

5/1149 [...] - ETA: 0s - loss: 0.3472
325/1149 [=====>...] - ETA: 0s - loss: 0.3305
495/1149 [=====>...] - ETA: 1s - loss: 1.1563
1149/1149 [=====] - 0s 85us/step - loss: 0.1232

```

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930/1148 [=====>...] - ETA: 0s - loss: 0.2839
830/1149 [=====>...] - ETA: 0s - loss: 0.3403
140/1148 [==>...] - ETA: 0s - loss: 0.0922
450/1149 [=====>...] - ETA: 0s - loss: 0.4113
55/1149 [>...] - ETA: 1s - loss: 0.9796
650/1149 [=====>...] - ETA: 0s - loss: 1.1071
995/1148 [=====>...] - ETA: 0s - loss: 0.2793
955/1149 [=====>...] - ETA: 0s - loss: 0.3273
260/1148 [=====>...] - ETA: 0s - loss: 0.1199
575/1149 [=====>...] - ETA: 0s - loss: 0.3751
180/1149 [===>...] - ETA: 0s - loss: 0.8409
760/1149 [=====>...] - ETA: 0s - loss: 1.1255
1135/1148 [=====>.] - ETA: 0s - loss: 0.2674
1148/1148 [=====] - 1s 909us/step - loss: 0.2663
Epoch 2/10

```

```

5/1148 [...] - ETA: 0s - loss: 0.2371
1070/1149 [=====>...] - ETA: 0s - loss: 0.3248
370/1148 [=====>...] - ETA: 0s - loss: 0.1196
695/1149 [=====>...] - ETA: 0s - loss: 0.3425
315/1149 [=====>...] - ETA: 0s - loss: 0.7837
885/1149 [=====>...] - ETA: 0s - loss: 1.1177
1149/1149 [=====] - 1s 439us/step - loss: 0.3223
Epoch 4/5

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5/1149 [...] - ETA: 0s - loss: 0.3022

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140/1148 [==>...] - ETA: 0s - loss: 0.2083
475/1148 [=====>...] - ETA: 0s - loss: 0.1156
795/1149 [=====>...] - ETA: 0s - loss: 0.3235
445/1149 [=====>...] - ETA: 0s - loss: 0.7878
990/1149 [=====>...] - ETA: 0s - loss: 1.0907
115/1149 [==>...] - ETA: 0s - loss: 0.1899
235/1148 [=====>...] - ETA: 0s - loss: 0.1747
575/1148 [=====>...] - ETA: 0s - loss: 0.1165
900/1149 [=====>...] - ETA: 0s - loss: 0.3130
575/1149 [=====>...] - ETA: 0s - loss: 0.8117
1090/1149 [=====>...] - ETA: 0s - loss: 1.0541
240/1149 [=====>...] - ETA: 0s - loss: 0.2282
345/1148 [=====>...] - ETA: 0s - loss: 0.1627
665/1148 [=====>...] - ETA: 0s - loss: 0.1129
1149/1149 [=====] - 1s 975us/step - loss: 1.0501
Epoch 2/5

```

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5/1149 [...] - ETA: 0s - loss: 0.2258
1005/1149 [=====>...] - ETA: 0s - loss: 0.2972
675/1149 [=====>...] - ETA: 0s - loss: 0.7897
340/1149 [=====>...] - ETA: 0s - loss: 0.1952
440/1148 [=====>...] - ETA: 0s - loss: 0.1640
780/1148 [=====>...] - ETA: 0s - loss: 0.1134
110/1149 [=>...] - ETA: 0s - loss: 0.5218
1105/1149 [=====>...] - ETA: 0s - loss: 0.2894
780/1149 [=====>...] - ETA: 0s - loss: 0.7932
450/1149 [=====>...] - ETA: 0s - loss: 0.1934
1149/1149 [=====] - 1s 467us/step - loss: 0.2880
Epoch 4/5

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5/1149 [...] - ETA: 0s - loss: 0.2677
535/1148 [=====>...] - ETA: 0s - loss: 0.1606
910/1148 [=====>...] - ETA: 0s - loss: 0.1065
215/1149 [=====>...] - ETA: 0s - loss: 0.6510
885/1149 [=====>...] - ETA: 0s - loss: 0.7861
545/1149 [=====>...] - ETA: 0s - loss: 0.1887
100/1149 [=>...] - ETA: 0s - loss: 0.1986
625/1148 [=====>...] - ETA: 0s - loss: 0.1600
1035/1148 [=====>...] - ETA: 0s - loss: 0.1066Epoch 1/10

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5/1149 [...] - ETA: 1:04 - loss: 2.3141
320/1149 [=====>...] - ETA: 0s - loss: 0.7532
995/1149 [=====>...] - ETA: 0s - loss: 0.7717
645/1149 [=====>...] - ETA: 0s - loss: 0.2052
230/1149 [=====>...] - ETA: 0s - loss: 0.1836
755/1148 [=====>...] - ETA: 0s - loss: 0.1520
1140/1148 [=====>...] - ETA: 0s - loss: 0.1042
1148/1148 [=====] - 1s 450us/step - loss: 0.1039

```



Epoch 5/5

5/1148 [...] - ETA: 0s - loss: 0.0515  
445/1149 [=====>...] - ETA: 0s - loss: 0.8740  
1110/1149 [=====>...] - ETA: 0s - loss: 0.7485  
35/1149 [...] - ETA: 10s - loss: 0.9986  
750/1149 [=====>...] - ETA: 0s - loss: 0.1933  
1149/1149 [=====] - 1s 471us/step - loss: 0.7465  
  
355/1149 [=====>...] - ETA: 0s - loss: 0.1958Epoch 3/5

5/1149 [...] - ETA: 0s - loss: 0.4948  
900/1148 [=====>...] - ETA: 0s - loss: 0.1509  
115/1148 [==>...] - ETA: 0s - loss: 0.0983  
560/1149 [=====>...] - ETA: 0s - loss: 0.8893  
95/1149 [=>...] - ETA: 4s - loss: 1.0913 Epoch 1/10

5/1149 [...] - ETA: 58s - loss: 2.2534  
870/1149 [=====>...] - ETA: 0s - loss: 0.1872  
470/1149 [=====>...] - ETA: 0s - loss: 0.1887  
125/1149 [==>...] - ETA: 0s - loss: 0.3679  
1020/1148 [=====>...] - ETA: 0s - loss: 0.1477  
230/1148 [=====>...] - ETA: 0s - loss: 0.0937  
670/1149 [=====>...] - ETA: 0s - loss: 0.8411  
155/1149 [==>...] - ETA: 2s - loss: 1.3446  
70/1149 [>...] - ETA: 4s - loss: 1.4978  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1812  
560/1149 [=====>...] - ETA: 0s - loss: 0.1862  
260/1149 [=====>...] - ETA: 0s - loss: 0.3532  
1130/1148 [=====>...] - ETA: 0s - loss: 0.1432  
1148/1148 [=====] - 1s 454us/step - loss: 0.1443  
Epoch 3/10

5/1148 [...] - ETA: 0s - loss: 0.0592  
335/1148 [=====>...] - ETA: 0s - loss: 0.0901  
790/1149 [=====>...] - ETA: 0s - loss: 0.8053  
225/1149 [=====>...] - ETA: 2s - loss: 1.3983  
155/1149 [==>...] - ETA: 2s - loss: 1.1927  
1145/1149 [=====>...] - ETA: 0s - loss: 0.1748  
675/1149 [=====>...] - ETA: 0s - loss: 0.1904  
1149/1149 [=====] - 1s 447us/step - loss: 0.1743  
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.0922  
375/1149 [=====>...] - ETA: 0s - loss: 0.4068  
120/1148 [==>...] - ETA: 0s - loss: 0.1072  
455/1148 [=====>...] - ETA: 0s - loss: 0.1021  
915/1149 [=====>...] - ETA: 0s - loss: 0.7763

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320/1149 [=====>...] - ETA: 1s - loss: 1.4031
225/1149 [====>...] - ETA: 1s - loss: 1.3130
780/1149 [======>...] - ETA: 0s - loss: 0.1901
480/1149 [======>...] - ETA: 0s - loss: 0.4046
125/1149 [==>...] - ETA: 0s - loss: 0.1943
245/1148 [=====>...] - ETA: 0s - loss: 0.1201
560/1148 [======>...] - ETA: 0s - loss: 0.0974
1030/1149 [======>...] - ETA: 0s - loss: 0.7775
415/1149 [======>...] - ETA: 1s - loss: 1.3751
305/1149 [=====>...] - ETA: 1s - loss: 1.2592
895/1149 [======>...] - ETA: 0s - loss: 0.1835
605/1149 [======>...] - ETA: 0s - loss: 0.3896
235/1149 [=====>...] - ETA: 0s - loss: 0.1705
360/1148 [======>...] - ETA: 0s - loss: 0.1072
665/1148 [======>...] - ETA: 0s - loss: 0.0933
1149/1149 [=====] - 1s 448us/step - loss: 0.7297
Epoch 3/5

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5/1149 [...] - ETA: 0s - loss: 0.3430
510/1149 [======>...] - ETA: 0s - loss: 1.3334
395/1149 [======>...] - ETA: 0s - loss: 1.2930
1005/1149 [======>...] - ETA: 0s - loss: 0.1736
735/1149 [======>...] - ETA: 0s - loss: 0.3675
345/1149 [======>...] - ETA: 0s - loss: 0.1529
485/1148 [======>...] - ETA: 0s - loss: 0.1088
775/1148 [======>...] - ETA: 0s - loss: 0.0936
120/1149 [==>...] - ETA: 0s - loss: 0.4469
585/1149 [======>...] - ETA: 0s - loss: 1.3382
435/1149 [======>...] - ETA: 0s - loss: 1.2830
1105/1149 [======>...] - ETA: 0s - loss: 0.1712
850/1149 [======>...] - ETA: 0s - loss: 0.3552
460/1149 [======>...] - ETA: 0s - loss: 0.1577
605/1148 [======>...] - ETA: 0s - loss: 0.1143
885/1148 [======>...] - ETA: 0s - loss: 0.0904
1149/1149 [=====] - 1s 467us/step - loss: 0.1680

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255/1149 [=====>...] - ETA: 0s - loss: 0.5049Epoch 5/5

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5/1149 [...] - ETA: 0s - loss: 0.0770
660/1149 [======>...] - ETA: 0s - loss: 1.2886
485/1149 [======>...] - ETA: 0s - loss: 1.2386
975/1149 [======>...] - ETA: 0s - loss: 0.3397
570/1149 [======>...] - ETA: 0s - loss: 0.1472
735/1148 [======>...] - ETA: 0s - loss: 0.1131
980/1148 [======>...] - ETA: 0s - loss: 0.0964
380/1149 [======>...] - ETA: 0s - loss: 0.4691
125/1149 [==>...] - ETA: 0s - loss: 0.1875
755/1149 [======>...] - ETA: 0s - loss: 1.2785

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560/1149 [=====>...] - ETA: 0s - loss: 1.2298  
1080/1149 [=====>...] - ETA: 0s - loss: 0.3348  
680/1149 [=====>...] - ETA: 0s - loss: 0.1370  
840/1148 [=====>...] - ETA: 0s - loss: 0.1100  
1095/1148 [=====>...] - ETA: 0s - loss: 0.0946  
515/1149 [=====>...] - ETA: 0s - loss: 0.4566  
1149/1149 [=====] - 0s 425us/step - loss: 0.3278  
Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.0510  
220/1149 [====>...] - ETA: 0s - loss: 0.1701  
820/1149 [=====>...] - ETA: 0s - loss: 1.2526  
1148/1148 [=====] - 1s 467us/step - loss: 0.0970

620/1149 [=====>...] - ETA: 0s - loss: 1.2543  
815/1149 [=====>...] - ETA: 0s - loss: 0.1454  
945/1148 [=====>...] - ETA: 0s - loss: 0.1100  
645/1149 [=====>...] - ETA: 0s - loss: 0.4510  
130/1149 [==>...] - ETA: 0s - loss: 0.2171  
345/1149 [=====>...] - ETA: 0s - loss: 0.1543  
945/1149 [=====>...] - ETA: 0s - loss: 1.1936  
715/1149 [=====>...] - ETA: 0s - loss: 1.2525  
935/1149 [=====>...] - ETA: 0s - loss: 0.1413  
1055/1148 [=====>...] - ETA: 0s - loss: 0.1106  
780/1149 [=====>...] - ETA: 0s - loss: 0.4315  
260/1149 [=====>...] - ETA: 0s - loss: 0.2275  
460/1149 [=====>...] - ETA: 0s - loss: 0.1609  
1090/1149 [=====>...] - ETA: 0s - loss: 1.1174  
825/1149 [=====>...] - ETA: 0s - loss: 1.2327  
1148/1148 [=====] - 0s 435us/step - loss: 0.1101  
Epoch 4/10

5/1148 [...] - ETA: 0s - loss: 0.0338  
1055/1149 [=====>...] - ETA: 0s - loss: 0.1407  
1149/1149 [=====] - 1s 859us/step - loss: 1.1193  
Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.0790  
900/1149 [=====>...] - ETA: 0s - loss: 0.4161  
385/1149 [=====>...] - ETA: 0s - loss: 0.2016  
575/1149 [=====>...] - ETA: 0s - loss: 0.1541  
905/1149 [=====>...] - ETA: 0s - loss: 1.2101  
1149/1149 [=====] - 1s 443us/step - loss: 0.1376

115/1148 [==>...] - ETA: 0s - loss: 0.0679  
115/1149 [==>...] - ETA: 0s - loss: 1.0094  
1025/1149 [=====>...] - ETA: 0s - loss: 0.3960  
675/1149 [=====>...] - ETA: 0s - loss: 0.1561

510/1149 [=====>...] - ETA: 0s - loss: 0.1915  
 1035/1149 [=====>...] - ETA: 0s - loss: 1.1450  
 220/1148 [====>...] - ETA: 0s - loss: 0.0882  
 205/1149 [====>...] - ETA: 0s - loss: 0.8025  
 1135/1149 [=====>.] - ETA: 0s - loss: 0.3813  
 780/1149 [=====>...] - ETA: 0s - loss: 0.1508  
 600/1149 [=====>...] - ETA: 0s - loss: 0.1900  
 1149/1149 [=====] - 0s 409us/step - loss: 0.3786  
 Epoch 4/5

5/1149 [...] - ETA: 0s - loss: 0.4955  
 1145/1149 [=====>.] - ETA: 0s - loss: 1.1119  
 1149/1149 [=====] - 1s 856us/step - loss: 1.1089  
 Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 0.3617  
 290/1149 [=====>...] - ETA: 0s - loss: 0.8544  
 340/1148 [=====>...] - ETA: 0s - loss: 0.0961  
 880/1149 [=====>...] - ETA: 0s - loss: 0.1483  
 725/1149 [=====>...] - ETA: 0s - loss: 0.1816  
 125/1149 [==>...] - ETA: 0s - loss: 0.2854  
 65/1149 [>...] - ETA: 0s - loss: 0.5654  
 440/1149 [=====>...] - ETA: 0s - loss: 0.8529  
 460/1148 [=====>...] - ETA: 0s - loss: 0.0952  
 985/1149 [=====>...] - ETA: 0s - loss: 0.1463  
 825/1149 [=====>...] - ETA: 0s - loss: 0.1850  
 235/1149 [====>...] - ETA: 0s - loss: 0.2279  
 155/1149 [==>...] - ETA: 0s - loss: 0.8019  
 575/1149 [=====>...] - ETA: 0s - loss: 0.8850  
 585/1148 [=====>...] - ETA: 0s - loss: 0.0967  
 1105/1149 [=====>..] - ETA: 0s - loss: 0.1431  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1752  
 355/1149 [=====>...] - ETA: 0s - loss: 0.2126  
 1149/1149 [=====] - 1s 466us/step - loss: 0.1403

265/1149 [====>...] - ETA: 0s - loss: 1.0222  
 700/1149 [=====>...] - ETA: 0s - loss: 0.8392  
 710/1148 [=====>...] - ETA: 0s - loss: 0.0962  
 1090/1149 [=====>..] - ETA: 0s - loss: 0.1679  
 475/1149 [=====>...] - ETA: 0s - loss: 0.2252  
 1149/1149 [=====] - 0s 419us/step - loss: 0.1731  
 Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.1673  
 410/1149 [=====>...] - ETA: 0s - loss: 0.9142  
 825/1149 [=====>...] - ETA: 0s - loss: 0.8268  
 845/1148 [=====>...] - ETA: 0s - loss: 0.0932  
 615/1149 [=====>...] - ETA: 0s - loss: 0.2237

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135/1149 [= >...] - ETA: 0s - loss: 0.2556
560/1149 [===== >...] - ETA: 0s - loss: 0.8606
960/1149 [===== >...] - ETA: 0s - loss: 0.8151
985/1148 [===== >...] - ETA: 0s - loss: 0.0950
745/1149 [===== >...] - ETA: 0s - loss: 0.2250
265/1149 [===== >...] - ETA: 0s - loss: 0.1820
685/1149 [===== >...] - ETA: 0s - loss: 0.7702
1090/1149 [===== >...] - ETA: 0s - loss: 0.7856
1120/1148 [===== >...] - ETA: 0s - loss: 0.0967
1148/1148 [=====] - 0s 424us/step - loss: 0.0962

860/1149 [===== >...] - ETA: 0s - loss: 0.2348Epoch 5/10

5/1148 [...] - ETA: 0s - loss: 0.0624
1149/1149 [=====] - 0s 424us/step - loss: 0.7896
Epoch 3/10

5/1149 [...] - ETA: 0s - loss: 0.2415
365/1149 [===== >...] - ETA: 0s - loss: 0.1714
805/1149 [===== >...] - ETA: 0s - loss: 0.7673
955/1149 [===== >...] - ETA: 0s - loss: 0.2297
105/1148 [= >...] - ETA: 0s - loss: 0.0844
95/1149 [= >...] - ETA: 0s - loss: 0.6708
490/1149 [===== >...] - ETA: 0s - loss: 0.1525
925/1149 [===== >...] - ETA: 0s - loss: 0.7368
1080/1149 [===== >...] - ETA: 0s - loss: 0.2227
205/1148 [===== >...] - ETA: 0s - loss: 0.0852Epoch 1/10

5/1149 [...] - ETA: 1:19 - loss: 1.3662
205/1149 [===== >...] - ETA: 0s - loss: 0.6829
610/1149 [===== >...] - ETA: 0s - loss: 0.1525
1045/1149 [===== >...] - ETA: 0s - loss: 0.7094
1149/1149 [=====] - 0s 428us/step - loss: 0.2176
Epoch 5/5

5/1149 [...] - ETA: 0s - loss: 0.2498
310/1148 [===== >...] - ETA: 0s - loss: 0.0800
315/1149 [===== >...] - ETA: 0s - loss: 0.6255
45/1149 [>...] - ETA: 9s - loss: 1.1654
1149/1149 [=====] - 1s 444us/step - loss: 0.7013
Epoch 3/10

5/1149 [...] - ETA: 0s - loss: 0.3842
725/1149 [===== >...] - ETA: 0s - loss: 0.1523
110/1149 [= >...] - ETA: 0s - loss: 0.1743
415/1148 [===== >...] - ETA: 0s - loss: 0.0840
430/1149 [===== >...] - ETA: 0s - loss: 0.6359
100/1149 [= >...] - ETA: 4s - loss: 1.1355

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130/1149 [==>...] - ETA: 0s - loss: 0.4287
865/1149 [=====>...] - ETA: 0s - loss: 0.1451
220/1149 [====>...] - ETA: 0s - loss: 0.1616
520/1148 [=====>...] - ETA: 0s - loss: 0.0851
545/1149 [=====>...] - ETA: 0s - loss: 0.5842
145/1149 [==>...] - ETA: 3s - loss: 1.2476
255/1149 [====>...] - ETA: 0s - loss: 0.4326
980/1149 [=====>...] - ETA: 0s - loss: 0.1421
335/1149 [=====>...] - ETA: 0s - loss: 0.1666
655/1148 [=====>...] - ETA: 0s - loss: 0.0863
655/1149 [=====>...] - ETA: 0s - loss: 0.5578
185/1149 [==>...] - ETA: 2s - loss: 1.2290
375/1149 [=====>...] - ETA: 0s - loss: 0.4498
1090/1149 [=====>...] - ETA: 0s - loss: 0.1442
450/1149 [=====>...] - ETA: 0s - loss: 0.1568
1149/1149 [=====] - 0s 427us/step - loss: 0.1428

760/1148 [=====>...] - ETA: 0s - loss: 0.0887
765/1149 [=====>...] - ETA: 0s - loss: 0.5207
280/1149 [=====>...] - ETA: 1s - loss: 1.1280
480/1149 [=====>...] - ETA: 0s - loss: 0.4492Epoch 1/10

5/1149 [...] - ETA: 1:06 - loss: 1.6843
530/1149 [=====>...] - ETA: 0s - loss: 0.1664
820/1148 [=====>...] - ETA: 0s - loss: 0.0885Epoch 1/15

5/1148 [...] - ETA: 58s - loss: 0.3145
840/1149 [=====>...] - ETA: 0s - loss: 0.5013
535/1149 [=====>...] - ETA: 0s - loss: 1.0748
570/1149 [=====>...] - ETA: 0s - loss: 0.4366
70/1149 [>...] - ETA: 5s - loss: 1.0951
655/1149 [=====>...] - ETA: 0s - loss: 0.1621
945/1148 [=====>...] - ETA: 0s - loss: 0.0905
40/1148 [>...] - ETA: 8s - loss: 0.3518
985/1149 [=====>...] - ETA: 0s - loss: 0.4944
665/1149 [=====>...] - ETA: 0s - loss: 1.1244
700/1149 [=====>...] - ETA: 0s - loss: 0.4337
185/1149 [==>...] - ETA: 2s - loss: 1.0810
785/1149 [=====>...] - ETA: 0s - loss: 0.1629
1060/1148 [=====>...] - ETA: 0s - loss: 0.0915
85/1148 [=>...] - ETA: 4s - loss: 0.3437
1110/1149 [=====>...] - ETA: 0s - loss: 0.4722
800/1149 [=====>...] - ETA: 0s - loss: 1.1639
815/1149 [=====>...] - ETA: 0s - loss: 0.4051
1149/1149 [=====] - 1s 465us/step - loss: 0.4670
Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.1203

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300/1149 [=====>...] - ETA: 1s - loss: 1.0573
1148/1148 [=====] - 1s 480us/step - loss: 0.0909

885/1149 [=====>...] - ETA: 0s - loss: 0.1557Epoch 6/10

5/1148 [...] - ETA: 0s - loss: 0.1089
145/1148 [==>...] - ETA: 2s - loss: 0.3525
930/1149 [=====>...] - ETA: 0s - loss: 1.1138
925/1149 [=====>...] - ETA: 0s - loss: 0.3826
115/1149 [==>...] - ETA: 0s - loss: 0.2323
360/1149 [=====>...] - ETA: 1s - loss: 1.0755
995/1149 [=====>...] - ETA: 0s - loss: 0.1543
115/1148 [==>...] - ETA: 0s - loss: 0.0755
245/1148 [=====>...] - ETA: 1s - loss: 0.3887
1040/1149 [=====>...] - ETA: 0s - loss: 1.1176
1050/1149 [=====>...] - ETA: 0s - loss: 0.3729
240/1149 [=====>...] - ETA: 0s - loss: 0.2464
400/1149 [=====>...] - ETA: 1s - loss: 1.1122
1130/1149 [=====>...] - ETA: 0s - loss: 0.1648
240/1148 [=====>...] - ETA: 0s - loss: 0.0870
1149/1149 [=====] - 1s 456us/step - loss: 0.1659

360/1148 [=====>...] - ETA: 1s - loss: 0.3714
1149/1149 [=====] - 1s 800us/step - loss: 1.1032
Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 1.4501
1149/1149 [=====] - 1s 446us/step - loss: 0.3569
Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.5865
350/1149 [=====>...] - ETA: 0s - loss: 0.3277
475/1149 [=====>...] - ETA: 0s - loss: 1.0560
355/1148 [=====>...] - ETA: 0s - loss: 0.0822
425/1148 [=====>...] - ETA: 0s - loss: 0.3469
140/1149 [==>...] - ETA: 0s - loss: 0.8943
125/1149 [==>...] - ETA: 0s - loss: 0.2181
475/1149 [=====>...] - ETA: 0s - loss: 0.2971
600/1149 [=====>...] - ETA: 0s - loss: 1.0321
480/1148 [=====>...] - ETA: 0s - loss: 0.0824
500/1148 [=====>...] - ETA: 0s - loss: 0.3192
280/1149 [=====>...] - ETA: 0s - loss: 0.8685
260/1149 [=====>...] - ETA: 0s - loss: 0.2003
570/1149 [=====>...] - ETA: 0s - loss: 0.2875
670/1149 [=====>...] - ETA: 0s - loss: 1.0125
615/1148 [=====>...] - ETA: 0s - loss: 0.0806
565/1148 [=====>...] - ETA: 0s - loss: 0.3098
400/1149 [=====>...] - ETA: 0s - loss: 0.9184

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365/1149 [=====>...] - ETA: 0s - loss: 0.1813
675/1149 [=====>...] - ETA: 0s - loss: 0.2794
780/1149 [=====>...] - ETA: 0s - loss: 1.0070
730/1148 [=====>...] - ETA: 0s - loss: 0.0836
515/1149 [=====>...] - ETA: 0s - loss: 0.9378
655/1148 [=====>...] - ETA: 0s - loss: 0.3004
475/1149 [=====>...] - ETA: 0s - loss: 0.1966
805/1149 [=====>...] - ETA: 0s - loss: 0.2699
845/1149 [=====>...] - ETA: 0s - loss: 1.0241
865/1148 [=====>...] - ETA: 0s - loss: 0.0887
730/1148 [=====>...] - ETA: 0s - loss: 0.2903
635/1149 [=====>...] - ETA: 0s - loss: 0.8363
600/1149 [=====>...] - ETA: 0s - loss: 0.1948
935/1149 [=====>...] - ETA: 0s - loss: 0.2539
915/1149 [=====>...] - ETA: 0s - loss: 1.0239
975/1148 [=====>...] - ETA: 0s - loss: 0.0887
885/1148 [=====>...] - ETA: 0s - loss: 0.2715Epoch 1/15

5/1149 [...] - ETA: 1:17 - loss: 0.4630
755/1149 [=====>...] - ETA: 0s - loss: 0.8422
715/1149 [=====>...] - ETA: 0s - loss: 0.1938
1060/1149 [=====>...] - ETA: 0s - loss: 0.2467
985/1149 [=====>...] - ETA: 0s - loss: 1.0088
1080/1148 [=====>...] - ETA: 0s - loss: 0.0878
1020/1148 [=====>...] - ETA: 0s - loss: 0.2535
845/1149 [=====>...] - ETA: 0s - loss: 0.1923
880/1149 [=====>...] - ETA: 0s - loss: 0.8459
1148/1148 [=====] - 0s 429us/step - loss: 0.0876

1149/1149 [=====] - 1s 439us/step - loss: 0.2387

40/1149 [>...] - ETA: 11s - loss: 0.9346 Epoch 7/10

5/1148 [...] - ETA: 0s - loss: 0.0194Epoch 5/10

5/1149 [...] - ETA: 0s - loss: 0.0995
1085/1149 [=====>...] - ETA: 0s - loss: 0.9775
1149/1149 [=====] - 1s 856us/step - loss: 0.9616

1148/1148 [=====] - 1s 807us/step - loss: 0.2405
Epoch 2/15

5/1148 [...] - ETA: 0s - loss: 0.0952Epoch 2/10

5/1149 [...] - ETA: 0s - loss: 1.1189
1000/1149 [=====>...] - ETA: 0s - loss: 0.8593
955/1149 [=====>...] - ETA: 0s - loss: 0.1875
120/1148 [==>...] - ETA: 0s - loss: 0.0792

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125/1149 [==>...] - ETA: 0s - loss: 0.2751
95/1149 [=>...] - ETA: 5s - loss: 0.9968
140/1148 [==>...] - ETA: 0s - loss: 0.1426
125/1149 [==>...] - ETA: 0s - loss: 0.5196
1120/1149 [=====>...] - ETA: 0s - loss: 0.8233
1055/1149 [=====>...] - ETA: 0s - loss: 0.1902
240/1148 [=====>...] - ETA: 0s - loss: 0.0737
1149/1149 [=====>...] - 0s 411us/step - loss: 0.8306

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240/1149 [=====>...] - ETA: 0s - loss: 0.1892Epoch 3/10

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5/1149 [...] - ETA: 0s - loss: 0.8307
170/1149 [=====>...] - ETA: 2s - loss: 0.9426
260/1148 [=====>...] - ETA: 0s - loss: 0.1431
260/1149 [=====>...] - ETA: 0s - loss: 0.5317
1149/1149 [=====>...] - 1s 444us/step - loss: 0.1869
Epoch 5/10

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5/1149 [...] - ETA: 0s - loss: 0.1119
370/1148 [=====>...] - ETA: 0s - loss: 0.0762
355/1149 [=====>...] - ETA: 0s - loss: 0.1862
135/1149 [==>...] - ETA: 0s - loss: 0.4009
245/1149 [=====>...] - ETA: 2s - loss: 1.0956
400/1148 [=====>...] - ETA: 0s - loss: 0.1383
385/1149 [=====>...] - ETA: 0s - loss: 0.5041
145/1149 [==>...] - ETA: 0s - loss: 0.1881
485/1148 [=====>...] - ETA: 0s - loss: 0.0738
460/1149 [=====>...] - ETA: 0s - loss: 0.1873
230/1149 [=====>...] - ETA: 0s - loss: 0.4139
305/1149 [=====>...] - ETA: 1s - loss: 1.1073
525/1148 [=====>...] - ETA: 0s - loss: 0.1410
505/1149 [=====>...] - ETA: 0s - loss: 0.4880
275/1149 [=====>...] - ETA: 0s - loss: 0.1658
600/1148 [=====>...] - ETA: 0s - loss: 0.0752
565/1149 [=====>...] - ETA: 0s - loss: 0.1932
355/1149 [=====>...] - ETA: 0s - loss: 0.4216
350/1149 [=====>...] - ETA: 1s - loss: 1.1317
620/1148 [=====>...] - ETA: 0s - loss: 0.1322
620/1149 [=====>...] - ETA: 0s - loss: 0.4982
415/1149 [=====>...] - ETA: 0s - loss: 0.1511Epoch 1/15

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5/1149 [...] - ETA: 1:23 - loss: 0.4697
730/1148 [=====>...] - ETA: 0s - loss: 0.0797
495/1149 [=====>...] - ETA: 0s - loss: 0.4465
685/1149 [=====>...] - ETA: 0s - loss: 0.1872
405/1149 [=====>...] - ETA: 1s - loss: 1.1158
725/1148 [=====>...] - ETA: 0s - loss: 0.1301
735/1149 [=====>...] - ETA: 0s - loss: 0.4738

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530/1149 [=====>...] - ETA: 0s - loss: 0.1384  
 75/1149 [>...] - ETA: 5s - loss: 1.4468  
 845/1148 [=====>...] - ETA: 0s - loss: 0.0845  
 615/1149 [=====>...] - ETA: 0s - loss: 0.4387  
 795/1149 [=====>...] - ETA: 0s - loss: 0.1791  
 495/1149 [=====>...] - ETA: 1s - loss: 1.1059  
 815/1148 [=====>...] - ETA: 0s - loss: 0.1361  
 855/1149 [=====>...] - ETA: 0s - loss: 0.4592  
 650/1149 [=====>...] - ETA: 0s - loss: 0.1482  
 145/1149 [==>...] - ETA: 3s - loss: 1.1230  
 955/1148 [=====>...] - ETA: 0s - loss: 0.0852  
 925/1149 [=====>...] - ETA: 0s - loss: 0.1708  
 725/1149 [=====>...] - ETA: 0s - loss: 0.4329  
 595/1149 [=====>...] - ETA: 0s - loss: 1.0637  
 945/1148 [=====>...] - ETA: 0s - loss: 0.1310  
 970/1149 [=====>...] - ETA: 0s - loss: 0.4381  
 775/1149 [=====>...] - ETA: 0s - loss: 0.1501  
 180/1149 [==>...] - ETA: 2s - loss: 1.1497  
 1070/1148 [=====>...] - ETA: 0s - loss: 0.0850  
 1045/1149 [=====>...] - ETA: 0s - loss: 0.1796  
 840/1149 [=====>...] - ETA: 0s - loss: 0.4038  
 695/1149 [=====>...] - ETA: 0s - loss: 1.0757  
 1148/1148 [=====] - 0s 431us/step - loss: 0.0855

Epoch 8/10

5/1148 [...] - ETA: 0s - loss: 0.0664  
 1065/1148 [=====>...] - ETA: 0s - loss: 0.1267  
 1090/1149 [=====>...] - ETA: 0s - loss: 0.4119  
 905/1149 [=====>...] - ETA: 0s - loss: 0.1466  
 1149/1149 [=====] - 1s 444us/step - loss: 0.1761

Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.2210  
 225/1149 [====>...] - ETA: 2s - loss: 1.0842  
 955/1149 [=====>...] - ETA: 0s - loss: 0.4138  
 1149/1149 [=====] - 0s 420us/step - loss: 0.3999

Epoch 3/10

5/1149 [...] - ETA: 0s - loss: 0.2030  
 805/1149 [=====>...] - ETA: 0s - loss: 1.1146  
 1148/1148 [=====] - 1s 438us/step - loss: 0.1272

Epoch 3/15

5/1148 [...] - ETA: 0s - loss: 0.2617  
 125/1148 [==>...] - ETA: 0s - loss: 0.0883  
 1015/1149 [=====>...] - ETA: 0s - loss: 0.1418  
 125/1149 [==>...] - ETA: 0s - loss: 0.1933  
 305/1149 [=====>...] - ETA: 1s - loss: 1.1426

1080/1149 [=====>...] - ETA: 0s - loss: 0.4162  
 105/1149 [=>...] - ETA: 0s - loss: 0.1486  
 915/1149 [=====>...] - ETA: 0s - loss: 1.0881  
 120/1148 [==>...] - ETA: 0s - loss: 0.1182  
 235/1148 [=====>...] - ETA: 0s - loss: 0.0823  
 1149/1149 [=====] - 0s 434us/step - loss: 0.4232  
 Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.0652  
 1125/1149 [=====>...] - ETA: 0s - loss: 0.1473  
 245/1149 [=====>...] - ETA: 0s - loss: 0.1476  
 1149/1149 [=====] - 0s 411us/step - loss: 0.1459  
 Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.0364  
 375/1149 [=====>...] - ETA: 1s - loss: 1.1348  
 240/1149 [=====>...] - ETA: 0s - loss: 0.1675  
 1015/1149 [=====>...] - ETA: 0s - loss: 1.0904  
 240/1148 [=====>...] - ETA: 0s - loss: 0.1094  
 365/1148 [=====>...] - ETA: 0s - loss: 0.0765  
 120/1149 [==>...] - ETA: 0s - loss: 0.2189  
 370/1149 [=====>...] - ETA: 0s - loss: 0.1414  
 115/1149 [==>...] - ETA: 0s - loss: 0.0962  
 450/1149 [=====>...] - ETA: 1s - loss: 1.2227  
 360/1149 [=====>...] - ETA: 0s - loss: 0.2061  
 1140/1149 [=====>...] - ETA: 0s - loss: 1.0938  
 345/1148 [=====>...] - ETA: 0s - loss: 0.1062  
 1149/1149 [=====] - 1s 951us/step - loss: 1.0874  
 Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.1189  
 485/1148 [=====>...] - ETA: 0s - loss: 0.0774  
 240/1149 [=====>...] - ETA: 0s - loss: 0.2911  
 495/1149 [=====>...] - ETA: 0s - loss: 0.1734  
 230/1149 [=====>...] - ETA: 0s - loss: 0.1065  
 505/1149 [=====>...] - ETA: 1s - loss: 1.1916  
 475/1149 [=====>...] - ETA: 0s - loss: 0.2013  
 450/1148 [=====>...] - ETA: 0s - loss: 0.1139  
 130/1149 [==>...] - ETA: 0s - loss: 0.9933  
 605/1148 [=====>...] - ETA: 0s - loss: 0.0782  
 355/1149 [=====>...] - ETA: 0s - loss: 0.2755  
 615/1149 [=====>...] - ETA: 0s - loss: 0.1705  
 350/1149 [=====>...] - ETA: 0s - loss: 0.1078  
 620/1149 [=====>...] - ETA: 0s - loss: 1.2314  
 585/1149 [=====>...] - ETA: 0s - loss: 0.1952  
 560/1148 [=====>...] - ETA: 0s - loss: 0.1112  
 705/1148 [=====>...] - ETA: 0s - loss: 0.0787  
 250/1149 [=====>...] - ETA: 0s - loss: 0.9595

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470/1149 [=====>...] - ETA: 0s - loss: 0.3009
715/1149 [=====>...] - ETA: 0s - loss: 0.1678
450/1149 [=====>...] - ETA: 0s - loss: 0.1127
770/1149 [=====>...] - ETA: 0s - loss: 1.1582
675/1149 [=====>...] - ETA: 0s - loss: 0.1997
685/1148 [=====>...] - ETA: 0s - loss: 0.1109
345/1149 [=====>...] - ETA: 0s - loss: 0.8459
825/1148 [=====>...] - ETA: 0s - loss: 0.0819
585/1149 [=====>...] - ETA: 0s - loss: 0.2838
810/1149 [=====>...] - ETA: 0s - loss: 0.1700
555/1149 [=====>...] - ETA: 0s - loss: 0.1402
910/1149 [=====>...] - ETA: 0s - loss: 1.1465
790/1149 [=====>...] - ETA: 0s - loss: 0.1957
810/1148 [=====>...] - ETA: 0s - loss: 0.1107
460/1149 [=====>...] - ETA: 0s - loss: 0.8135
925/1148 [=====>...] - ETA: 0s - loss: 0.0810
695/1149 [=====>...] - ETA: 0s - loss: 0.2699
925/1149 [=====>...] - ETA: 0s - loss: 0.1652
670/1149 [=====>...] - ETA: 0s - loss: 0.1353
1020/1149 [=====>...] - ETA: 0s - loss: 1.1583
915/1149 [=====>...] - ETA: 0s - loss: 0.1879
910/1148 [=====>...] - ETA: 0s - loss: 0.1054
575/1149 [=====>...] - ETA: 0s - loss: 0.7165
1045/1148 [=====>...] - ETA: 0s - loss: 0.0801
800/1149 [=====>...] - ETA: 0s - loss: 0.2551
1040/1149 [=====>...] - ETA: 0s - loss: 0.1671
780/1149 [=====>...] - ETA: 0s - loss: 0.1389
1149/1149 [=====] - 1s 906us/step - loss: 1.1197
Epoch 2/15

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5/1149 [...] - ETA: 0s - loss: 0.8200
1015/1149 [=====>...] - ETA: 0s - loss: 0.1827
1015/1148 [=====>...] - ETA: 0s - loss: 0.1049
685/1149 [=====>...] - ETA: 0s - loss: 0.7195
1145/1148 [=====>.] - ETA: 0s - loss: 0.0841
1148/1148 [=====] - 1s 451us/step - loss: 0.0840
Epoch 9/10

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5/1148 [...] - ETA: 0s - loss: 0.0500
900/1149 [=====>...] - ETA: 0s - loss: 0.2471
1149/1149 [=====] - 1s 444us/step - loss: 0.1581
Epoch 7/10

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5/1149 [...] - ETA: 0s - loss: 0.0987
880/1149 [=====>...] - ETA: 0s - loss: 0.1374
125/1149 [==>...] - ETA: 0s - loss: 0.8339
1125/1149 [=====>.] - ETA: 0s - loss: 0.1771
1149/1149 [=====] - 1s 460us/step - loss: 0.1773

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Epoch 4/10

5/1149 [...] - ETA: 0s - loss: 0.1212  
1135/1148 [=====>.] - ETA: 0s - loss: 0.1055  
800/1149 [=====>...] - ETA: 0s - loss: 0.6753  
1148/1148 [=====] - 1s 453us/step - loss: 0.1052  
Epoch 4/15

5/1148 [...] - ETA: 0s - loss: 0.0295  
110/1148 [=>...] - ETA: 0s - loss: 0.0811  
1010/1149 [=====>...] - ETA: 0s - loss: 0.2416  
120/1149 [==>...] - ETA: 0s - loss: 0.1618  
985/1149 [=====>...] - ETA: 0s - loss: 0.1379  
240/1149 [=====>...] - ETA: 0s - loss: 0.9294  
120/1149 [==>...] - ETA: 0s - loss: 0.1239  
895/1149 [=====>...] - ETA: 0s - loss: 0.6334  
125/1148 [==>...] - ETA: 0s - loss: 0.1086  
230/1148 [=====>...] - ETA: 0s - loss: 0.0871  
1125/1149 [=====>.] - ETA: 0s - loss: 0.2299  
245/1149 [=====>...] - ETA: 0s - loss: 0.1563  
1095/1149 [=====>..] - ETA: 0s - loss: 0.1343  
1149/1149 [=====] - 1s 459us/step - loss: 0.2278

375/1149 [=====>...] - ETA: 0s - loss: 0.8516Epoch 5/10

5/1149 [...] - ETA: 0s - loss: 0.1293  
1149/1149 [=====] - 1s 467us/step - loss: 0.1348

230/1149 [=====>...] - ETA: 0s - loss: 0.1321Epoch 7/10

5/1149 [...] - ETA: 0s - loss: 0.0307  
1015/1149 [=====>...] - ETA: 0s - loss: 0.5874  
225/1148 [=====>...] - ETA: 0s - loss: 0.1094  
345/1148 [=====>...] - ETA: 0s - loss: 0.0856  
365/1149 [=====>...] - ETA: 0s - loss: 0.1475  
455/1149 [=====>...] - ETA: 0s - loss: 0.8232  
115/1149 [==>...] - ETA: 0s - loss: 0.2037  
165/1149 [==>...] - ETA: 0s - loss: 0.1547  
350/1149 [=====>...] - ETA: 0s - loss: 0.1461  
1140/1149 [=====>.] - ETA: 0s - loss: 0.5460  
455/1148 [=====>...] - ETA: 0s - loss: 0.0835  
345/1148 [=====>...] - ETA: 0s - loss: 0.1034  
1149/1149 [=====] - 1s 452us/step - loss: 0.5435  
Epoch 3/15

5/1149 [...] - ETA: 0s - loss: 0.1388  
475/1149 [=====>...] - ETA: 0s - loss: 0.1607  
525/1149 [=====>...] - ETA: 0s - loss: 0.8044

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225/1149 [====>...] - ETA: 0s - loss: 0.1466
295/1149 [=====>...] - ETA: 0s - loss: 0.1373
465/1149 [=====>...] - ETA: 0s - loss: 0.1423
560/1148 [=====>...] - ETA: 0s - loss: 0.0813
455/1148 [=====>...] - ETA: 0s - loss: 0.1106
110/1149 [=>...] - ETA: 0s - loss: 0.2127
590/1149 [=====>...] - ETA: 0s - loss: 0.1541
635/1149 [=====>...] - ETA: 0s - loss: 0.7928
330/1149 [=====>...] - ETA: 0s - loss: 0.1667
405/1149 [=====>...] - ETA: 0s - loss: 0.1336
580/1149 [=====>...] - ETA: 0s - loss: 0.1441
675/1148 [=====>...] - ETA: 0s - loss: 0.0795
585/1148 [=====>...] - ETA: 0s - loss: 0.1054
225/1149 [====>...] - ETA: 0s - loss: 0.1818
695/1149 [=====>...] - ETA: 0s - loss: 0.1493
730/1149 [=====>...] - ETA: 0s - loss: 0.7774
450/1149 [=====>...] - ETA: 0s - loss: 0.1698
525/1149 [=====>...] - ETA: 0s - loss: 0.1242
690/1149 [=====>...] - ETA: 0s - loss: 0.1444
790/1148 [=====>...] - ETA: 0s - loss: 0.0785
690/1148 [=====>...] - ETA: 0s - loss: 0.1006
340/1149 [=====>...] - ETA: 0s - loss: 0.1916
810/1149 [=====>...] - ETA: 0s - loss: 0.1476
845/1149 [=====>...] - ETA: 0s - loss: 0.7929
555/1149 [=====>...] - ETA: 0s - loss: 0.1820
635/1149 [=====>...] - ETA: 0s - loss: 0.1198
795/1149 [=====>...] - ETA: 0s - loss: 0.1472
905/1148 [=====>...] - ETA: 0s - loss: 0.0831
800/1148 [=====>...] - ETA: 0s - loss: 0.0963
455/1149 [=====>...] - ETA: 0s - loss: 0.1945
920/1149 [=====>...] - ETA: 0s - loss: 0.1429
970/1149 [=====>...] - ETA: 0s - loss: 0.7343
660/1149 [=====>...] - ETA: 0s - loss: 0.1734
740/1149 [=====>...] - ETA: 0s - loss: 0.1163
905/1149 [=====>...] - ETA: 0s - loss: 0.1592
1035/1148 [=====>...] - ETA: 0s - loss: 0.0831
890/1148 [=====>...] - ETA: 0s - loss: 0.0986
585/1149 [=====>...] - ETA: 0s - loss: 0.2065
1025/1149 [=====>...] - ETA: 0s - loss: 0.1523
1115/1149 [=====>.] - ETA: 0s - loss: 0.7129
775/1149 [=====>...] - ETA: 0s - loss: 0.1700
1149/1149 [=====] - 1s 457us/step - loss: 0.7058
Epoch 3/15

5/1149 [...] - ETA: 0s - loss: 2.0942
1015/1149 [=====>...] - ETA: 0s - loss: 0.1526
850/1149 [=====>...] - ETA: 0s - loss: 0.1288
1148/1148 [=====] - 1s 445us/step - loss: 0.0831

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1000/1148 [=====>...] - ETA: 0s - loss: 0.0974Epoch 10/10

5/1148 [...] - ETA: 0s - loss: 0.0249  
700/1149 [=====>...] - ETA: 0s - loss: 0.1939  
1145/1149 [=====>.] - ETA: 0s - loss: 0.1482  
1149/1149 [=====] - 1s 446us/step - loss: 0.1478  
Epoch 8/10

5/1149 [...] - ETA: 0s - loss: 0.1008  
895/1149 [=====>...] - ETA: 0s - loss: 0.1643  
105/1149 [=>...] - ETA: 0s - loss: 0.5066  
955/1149 [=====>...] - ETA: 0s - loss: 0.1360  
1115/1149 [=====>.] - ETA: 0s - loss: 0.1578  
1110/1148 [=====>.] - ETA: 0s - loss: 0.0966  
125/1148 [==>...] - ETA: 0s - loss: 0.0717  
810/1149 [=====>...] - ETA: 0s - loss: 0.1890  
1149/1149 [=====] - 1s 464us/step - loss: 0.1587  
Epoch 5/10

5/1149 [...] - ETA: 0s - loss: 0.3484  
1148/1148 [=====] - 1s 460us/step - loss: 0.0975

120/1149 [==>...] - ETA: 0s - loss: 0.1339Epoch 5/15

5/1148 [...] - ETA: 0s - loss: 0.0623  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1608  
215/1149 [====>...] - ETA: 0s - loss: 0.4508  
1065/1149 [=====>...] - ETA: 0s - loss: 0.1308  
240/1148 [=====>...] - ETA: 0s - loss: 0.0784  
925/1149 [=====>...] - ETA: 0s - loss: 0.1851  
105/1149 [=>...] - ETA: 0s - loss: 0.2712  
230/1149 [=====>...] - ETA: 0s - loss: 0.1250  
125/1148 [==>...] - ETA: 0s - loss: 0.0962  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1537  
1149/1149 [=====] - 1s 440us/step - loss: 0.1308

340/1149 [=====>...] - ETA: 0s - loss: 0.4263Epoch 8/10

5/1149 [...] - ETA: 0s - loss: 0.0402  
1149/1149 [=====] - 1s 462us/step - loss: 0.1522  
Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.2068  
360/1148 [=====>...] - ETA: 0s - loss: 0.0788  
1045/1149 [=====>...] - ETA: 0s - loss: 0.1768  
215/1149 [=====>...] - ETA: 0s - loss: 0.1975  
240/1148 [=====>...] - ETA: 0s - loss: 0.0975

340/1149 [=====>...] - ETA: 0s - loss: 0.1233  
95/1149 [=>...] - ETA: 0s - loss: 0.1443  
475/1149 [=====>...] - ETA: 0s - loss: 0.3828  
120/1149 [==>...] - ETA: 0s - loss: 0.1822  
1149/1149 [=====] - 1s 443us/step - loss: 0.1680  
Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.0402  
470/1148 [=====>...] - ETA: 0s - loss: 0.0835  
330/1149 [=====>...] - ETA: 0s - loss: 0.1787  
340/1148 [=====>...] - ETA: 0s - loss: 0.0970  
455/1149 [=====>...] - ETA: 0s - loss: 0.1264  
610/1149 [=====>...] - ETA: 0s - loss: 0.3742  
200/1149 [====>...] - ETA: 0s - loss: 0.1431  
230/1149 [====>...] - ETA: 0s - loss: 0.1856  
115/1149 [==>...] - ETA: 0s - loss: 0.1551  
575/1148 [=====>...] - ETA: 0s - loss: 0.0830  
430/1149 [=====>...] - ETA: 0s - loss: 0.1725  
455/1148 [=====>...] - ETA: 0s - loss: 0.0967  
565/1149 [=====>...] - ETA: 0s - loss: 0.1532  
715/1149 [=====>...] - ETA: 0s - loss: 0.3548  
320/1149 [=====>...] - ETA: 0s - loss: 0.1257  
350/1149 [=====>...] - ETA: 0s - loss: 0.1496  
250/1149 [====>...] - ETA: 0s - loss: 0.1231  
680/1148 [=====>...] - ETA: 0s - loss: 0.0827  
535/1149 [=====>...] - ETA: 0s - loss: 0.1581  
570/1148 [=====>...] - ETA: 0s - loss: 0.0924  
680/1149 [=====>...] - ETA: 0s - loss: 0.1519  
820/1149 [=====>...] - ETA: 0s - loss: 0.3416  
435/1149 [=====>...] - ETA: 0s - loss: 0.1474  
460/1149 [=====>...] - ETA: 0s - loss: 0.1494  
375/1149 [=====>...] - ETA: 0s - loss: 0.1220  
790/1148 [=====>...] - ETA: 0s - loss: 0.0819  
650/1149 [=====>...] - ETA: 0s - loss: 0.1560  
675/1148 [=====>...] - ETA: 0s - loss: 0.0929  
800/1149 [=====>...] - ETA: 0s - loss: 0.1476  
925/1149 [=====>...] - ETA: 0s - loss: 0.3229  
560/1149 [=====>...] - ETA: 0s - loss: 0.1454  
585/1149 [=====>...] - ETA: 0s - loss: 0.1597  
455/1149 [=====>...] - ETA: 0s - loss: 0.1226  
910/1148 [=====>...] - ETA: 0s - loss: 0.0843  
745/1149 [=====>...] - ETA: 0s - loss: 0.1506  
775/1148 [=====>...] - ETA: 0s - loss: 0.0947  
940/1149 [=====>...] - ETA: 0s - loss: 0.1397  
1040/1149 [=====>...] - ETA: 0s - loss: 0.3150  
700/1149 [=====>...] - ETA: 0s - loss: 0.1372  
715/1149 [=====>...] - ETA: 0s - loss: 0.1478  
535/1149 [=====>...] - ETA: 0s - loss: 0.1331



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1030/1148 [=====>...] - ETA: 0s - loss: 0.0827
850/1149 [=====>...] - ETA: 0s - loss: 0.1458
885/1148 [=====>...] - ETA: 0s - loss: 0.0919
1050/1149 [=====>...] - ETA: 0s - loss: 0.1455
1145/1149 [=====>.] - ETA: 0s - loss: 0.3079
1149/1149 [=====] - 1s 451us/step - loss: 0.3070

825/1149 [=====>...] - ETA: 0s - loss: 0.1432
815/1149 [=====>...] - ETA: 0s - loss: 0.1351Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.4830
1148/1148 [=====] - 1s 445us/step - loss: 0.0823

665/1149 [=====>...] - ETA: 0s - loss: 0.1505
965/1149 [=====>...] - ETA: 0s - loss: 0.1533
1000/1148 [=====>...] - ETA: 0s - loss: 0.0924
1120/1149 [=====>.] - ETA: 0s - loss: 0.1423
875/1149 [=====>...] - ETA: 0s - loss: 0.1317
1149/1149 [=====] - 1s 470us/step - loss: 0.1406

120/1149 [==>...] - ETA: 0s - loss: 0.2421
915/1149 [=====>...] - ETA: 0s - loss: 0.1382Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.0327
795/1149 [=====>...] - ETA: 0s - loss: 0.1451
1115/1149 [=====>.] - ETA: 0s - loss: 0.1500
1105/1148 [=====>..] - ETA: 0s - loss: 0.0958
1149/1149 [=====] - 1s 459us/step - loss: 0.1506
Epoch 6/10

5/1149 [...] - ETA: 0s - loss: 0.2683
240/1149 [=====>...] - ETA: 0s - loss: 0.2140
955/1149 [=====>...] - ETA: 0s - loss: 0.1317
1148/1148 [=====] - 1s 469us/step - loss: 0.0944

1000/1149 [=====>...] - ETA: 0s - loss: 0.1349
90/1149 [=>...] - ETA: 0s - loss: 0.1383Epoch 6/15

5/1148 [...] - ETA: 1s - loss: 0.0368
920/1149 [=====>...] - ETA: 0s - loss: 0.1373
110/1149 [=>...] - ETA: 0s - loss: 0.1513
1055/1149 [=====>...] - ETA: 0s - loss: 0.1298
315/1149 [=====>...] - ETA: 0s - loss: 0.2062
1145/1149 [=====>.] - ETA: 0s - loss: 0.1339
230/1149 [=====>...] - ETA: 0s - loss: 0.1180
1149/1149 [=====] - 1s 452us/step - loss: 0.1336
Epoch 7/10

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5/1149 [...] - ETA: 0s - loss: 0.0312  
130/1148 [==>...] - ETA: 0s - loss: 0.1069  
975/1149 [=====>...] - ETA: 0s - loss: 0.1354  
1149/1149 [=====] - 1s 483us/step - loss: 0.1277  
Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.1274  
180/1149 [==>...] - ETA: 0s - loss: 0.1753  
360/1149 [=====>...] - ETA: 0s - loss: 0.2023  
350/1149 [=====>...] - ETA: 0s - loss: 0.1119  
1055/1149 [=====>...] - ETA: 0s - loss: 0.1380  
240/1148 [=====>...] - ETA: 0s - loss: 0.0998  
125/1149 [==>...] - ETA: 0s - loss: 0.1216  
140/1149 [==>...] - ETA: 0s - loss: 0.1341  
270/1149 [=====>...] - ETA: 0s - loss: 0.2149  
1149/1149 [=====] - 1s 482us/step - loss: 0.1348  
Epoch 5/15

5/1149 [...] - ETA: 0s - loss: 0.0370  
465/1149 [=====>...] - ETA: 0s - loss: 0.1195  
460/1149 [=====>...] - ETA: 0s - loss: 0.1995  
250/1149 [=====>...] - ETA: 0s - loss: 0.1016  
350/1148 [=====>...] - ETA: 0s - loss: 0.0863  
255/1149 [=====>...] - ETA: 0s - loss: 0.1694  
370/1149 [=====>...] - ETA: 0s - loss: 0.1830  
120/1149 [==>...] - ETA: 0s - loss: 0.1465  
575/1149 [=====>...] - ETA: 0s - loss: 0.1195  
575/1149 [=====>...] - ETA: 0s - loss: 0.1969  
370/1149 [=====>...] - ETA: 0s - loss: 0.1031  
470/1148 [=====>...] - ETA: 0s - loss: 0.0893  
485/1149 [=====>...] - ETA: 0s - loss: 0.1694  
370/1149 [=====>...] - ETA: 0s - loss: 0.1586  
230/1149 [=====>...] - ETA: 0s - loss: 0.1571  
695/1149 [=====>...] - ETA: 0s - loss: 0.1357  
690/1149 [=====>...] - ETA: 0s - loss: 0.1841  
595/1148 [=====>...] - ETA: 0s - loss: 0.0852  
480/1149 [=====>...] - ETA: 0s - loss: 0.1135  
605/1149 [=====>...] - ETA: 0s - loss: 0.1571  
490/1149 [=====>...] - ETA: 0s - loss: 0.1445  
365/1149 [=====>...] - ETA: 0s - loss: 0.1483  
770/1149 [=====>...] - ETA: 0s - loss: 0.1322  
845/1149 [=====>...] - ETA: 0s - loss: 0.1904  
725/1148 [=====>...] - ETA: 0s - loss: 0.0838  
545/1149 [=====>...] - ETA: 0s - loss: 0.1373  
700/1149 [=====>...] - ETA: 0s - loss: 0.1500  
610/1149 [=====>...] - ETA: 0s - loss: 0.1365  
505/1149 [=====>...] - ETA: 0s - loss: 0.1379  
840/1149 [=====>...] - ETA: 0s - loss: 0.1278

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1000/1149 [=====>...] - ETA: 0s - loss: 0.1966
850/1148 [=====>...] - ETA: 0s - loss: 0.0850
630/1149 [=====>...] - ETA: 0s - loss: 0.1358
810/1149 [=====>...] - ETA: 0s - loss: 0.1473
720/1149 [=====>...] - ETA: 0s - loss: 0.1378
625/1149 [=====>...] - ETA: 0s - loss: 0.1271
960/1149 [=====>...] - ETA: 0s - loss: 0.1354
1125/1149 [=====>.] - ETA: 0s - loss: 0.2045
765/1149 [=====>...] - ETA: 0s - loss: 0.1341
955/1148 [=====>...] - ETA: 0s - loss: 0.0858
1149/1149 [=====] - 1s 465us/step - loss: 0.2023
Epoch 5/15

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5/1149 [...] - ETA: 0s - loss: 0.0401
950/1149 [=====>...] - ETA: 0s - loss: 0.1442
805/1149 [=====>...] - ETA: 0s - loss: 0.1363
715/1149 [=====>...] - ETA: 0s - loss: 0.1365
1105/1149 [=====>..] - ETA: 0s - loss: 0.1352
910/1149 [=====>...] - ETA: 0s - loss: 0.1309
1035/1148 [=====>...] - ETA: 0s - loss: 0.0844
1149/1149 [=====] - 1s 462us/step - loss: 0.1359
Epoch 10/10

```

```

5/1149 [...] - ETA: 0s - loss: 0.0857
95/1149 [=>...] - ETA: 0s - loss: 0.1986
1085/1149 [=====>..] - ETA: 0s - loss: 0.1503
895/1149 [=====>...] - ETA: 0s - loss: 0.1338
805/1149 [=====>...] - ETA: 0s - loss: 0.1302
1055/1149 [=====>...] - ETA: 0s - loss: 0.1273
1120/1148 [=====>.] - ETA: 0s - loss: 0.0918
1149/1149 [=====] - 1s 476us/step - loss: 0.1476

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150/1149 [==>...] - ETA: 0s - loss: 0.1882Epoch 7/10

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5/1149 [...] - ETA: 0s - loss: 0.1436
190/1149 [===>...] - ETA: 0s - loss: 0.1862
1148/1148 [=====] - 1s 469us/step - loss: 0.0913
Epoch 7/15

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5/1148 [...] - ETA: 0s - loss: 0.0829
1015/1149 [=====>...] - ETA: 0s - loss: 0.1304
915/1149 [=====>...] - ETA: 0s - loss: 0.1325
1149/1149 [=====] - 1s 442us/step - loss: 0.1277
Epoch 8/10

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5/1149 [...] - ETA: 0s - loss: 0.0599
115/1149 [==>...] - ETA: 0s - loss: 0.1358
275/1149 [=====>...] - ETA: 0s - loss: 0.1445

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295/1149 [=====>...] - ETA: 0s - loss: 0.1926
125/1148 [==>...] - ETA: 0s - loss: 0.0834
1140/1149 [=====>.] - ETA: 0s - loss: 0.1271
1149/1149 [=====] - 1s 455us/step - loss: 0.1264

1035/1149 [=====>...] - ETA: 0s - loss: 0.1297Epoch 10/10

    5/1149 [...] - ETA: 0s - loss: 0.3348
125/1149 [==>...] - ETA: 0s - loss: 0.1845
210/1149 [====>...] - ETA: 0s - loss: 0.1667
390/1149 [=====>...] - ETA: 0s - loss: 0.1543
410/1149 [=====>...] - ETA: 0s - loss: 0.1810
245/1148 [=====>...] - ETA: 0s - loss: 0.0872
1135/1149 [=====>.] - ETA: 0s - loss: 0.1280
120/1149 [==>...] - ETA: 0s - loss: 0.1398
270/1149 [=====>...] - ETA: 0s - loss: 0.1456
1149/1149 [=====] - 1s 452us/step - loss: 0.1271
Epoch 6/15

    5/1149 [...] - ETA: 0s - loss: 0.0069
295/1149 [=====>...] - ETA: 0s - loss: 0.1430
475/1149 [=====>...] - ETA: 0s - loss: 0.1494
530/1149 [=====>...] - ETA: 0s - loss: 0.1754
365/1148 [=====>...] - ETA: 0s - loss: 0.0801
225/1149 [====>...] - ETA: 0s - loss: 0.1606
430/1149 [=====>...] - ETA: 0s - loss: 0.1287
100/1149 [=>...] - ETA: 0s - loss: 0.2044
565/1149 [=====>...] - ETA: 0s - loss: 0.1369
400/1149 [=====>...] - ETA: 0s - loss: 0.1712
645/1149 [=====>...] - ETA: 0s - loss: 0.1918
465/1148 [=====>...] - ETA: 0s - loss: 0.0790
335/1149 [=====>...] - ETA: 0s - loss: 0.1594
560/1149 [=====>...] - ETA: 0s - loss: 0.1408
215/1149 [=====>...] - ETA: 0s - loss: 0.1549Epoch 1/15

    5/1149 [...] - ETA: 1:16 - loss: 0.3258
685/1149 [=====>...] - ETA: 0s - loss: 0.1285
505/1149 [=====>...] - ETA: 0s - loss: 0.1632
750/1149 [=====>...] - ETA: 0s - loss: 0.1957
580/1148 [=====>...] - ETA: 0s - loss: 0.0813
465/1149 [=====>...] - ETA: 0s - loss: 0.1475
620/1149 [=====>...] - ETA: 0s - loss: 0.1398
365/1149 [=====>...] - ETA: 0s - loss: 0.1232
825/1149 [=====>...] - ETA: 0s - loss: 0.1258
630/1149 [=====>...] - ETA: 0s - loss: 0.1533
850/1149 [=====>...] - ETA: 0s - loss: 0.1941
    35/1149 [...] - ETA: 12s - loss: 0.9679
705/1148 [=====>...] - ETA: 0s - loss: 0.0909

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605/1149 [=====>...] - ETA: 0s - loss: 0.1380
680/1149 [=====>...] - ETA: 0s - loss: 0.1342
505/1149 [=====>...] - ETA: 0s - loss: 0.1171
960/1149 [=====>...] - ETA: 0s - loss: 0.1259
770/1149 [=====>...] - ETA: 0s - loss: 0.1610
955/1149 [=====>...] - ETA: 0s - loss: 0.1895
 65/1149 [>...] - ETA: 7s - loss: 0.9929
830/1148 [=====>...] - ETA: 0s - loss: 0.0899
695/1149 [=====>...] - ETA: 0s - loss: 0.1324
815/1149 [=====>...] - ETA: 0s - loss: 0.1295
605/1149 [=====>...] - ETA: 0s - loss: 0.1098
1055/1149 [=====>...] - ETA: 0s - loss: 0.1255
1085/1149 [=====>...] - ETA: 0s - loss: 0.1829
 905/1149 [=====>...] - ETA: 0s - loss: 0.1505
 945/1148 [=====>...] - ETA: 0s - loss: 0.0896
 120/1149 [==>...] - ETA: 4s - loss: 0.9839
1149/1149 [=====] - 1s 468us/step - loss: 0.1789
Epoch 6/15

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  5/1149 [...] - ETA: 0s - loss: 0.0729
795/1149 [=====>...] - ETA: 0s - loss: 0.1274
965/1149 [=====>...] - ETA: 0s - loss: 0.1273
695/1149 [=====>...] - ETA: 0s - loss: 0.1073
1135/1149 [=====>...] - ETA: 0s - loss: 0.1322
1045/1149 [=====>...] - ETA: 0s - loss: 0.1462
1149/1149 [=====] - 1s 455us/step - loss: 0.1318

1075/1148 [=====>...] - ETA: 0s - loss: 0.0886
 140/1149 [==>...] - ETA: 4s - loss: 1.2011
 905/1149 [=====>...] - ETA: 0s - loss: 0.1229
 160/1149 [==>...] - ETA: 0s - loss: 0.2020
1090/1149 [=====>...] - ETA: 0s - loss: 0.1267
 820/1149 [=====>...] - ETA: 0s - loss: 0.1229
1148/1148 [=====] - 0s 434us/step - loss: 0.0896
Epoch 8/15

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  5/1148 [...] - ETA: 0s - loss: 0.1227
1145/1149 [=====>...] - ETA: 0s - loss: 0.1421
1149/1149 [=====] - 1s 452us/step - loss: 0.1425
Epoch 8/10

```

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  5/1149 [...] - ETA: 0s - loss: 0.0471
1149/1149 [=====] - 0s 430us/step - loss: 0.1245

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165/1149 [==>...] - ETA: 3s - loss: 1.1195Epoch 9/10

```

  5/1149 [...] - ETA: 0s - loss: 0.0482
1035/1149 [=====>...] - ETA: 0s - loss: 0.1265

```

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280/1149 [=====>...] - ETA: 0s - loss: 0.1847
980/1149 [=====>...] - ETA: 0s - loss: 0.1226
115/1148 [==>...] - ETA: 0s - loss: 0.0931
130/1149 [==>...] - ETA: 0s - loss: 0.0882
215/1149 [=====>...] - ETA: 2s - loss: 1.1458
135/1149 [==>...] - ETA: 0s - loss: 0.0919
1149/1149 [=====>...] - 1s 437us/step - loss: 0.1230

400/1149 [=====>...] - ETA: 0s - loss: 0.1700
1120/1149 [=====>...] - ETA: 0s - loss: 0.1215
245/1148 [=====>...] - ETA: 0s - loss: 0.0943
1149/1149 [=====>...] - 0s 421us/step - loss: 0.1213

240/1149 [=====>...] - ETA: 0s - loss: 0.1107Epoch 7/15

5/1149 [...] - ETA: 0s - loss: 0.0974
310/1149 [=====>...] - ETA: 1s - loss: 1.2430
250/1149 [=====>...] - ETA: 0s - loss: 0.1059
490/1149 [=====>...] - ETA: 0s - loss: 0.1620
375/1148 [=====>...] - ETA: 0s - loss: 0.0929
355/1149 [=====>...] - ETA: 0s - loss: 0.1143
115/1149 [==>...] - ETA: 0s - loss: 0.0902
450/1149 [=====>...] - ETA: 1s - loss: 1.1713
365/1149 [=====>...] - ETA: 0s - loss: 0.1128
615/1149 [=====>...] - ETA: 0s - loss: 0.1575
510/1148 [=====>...] - ETA: 0s - loss: 0.0965
455/1149 [=====>...] - ETA: 0s - loss: 0.1164
230/1149 [=====>...] - ETA: 0s - loss: 0.0863
480/1149 [=====>...] - ETA: 0s - loss: 0.1040
620/1149 [=====>...] - ETA: 0s - loss: 1.1283
735/1149 [=====>...] - ETA: 0s - loss: 0.1818
640/1148 [=====>...] - ETA: 0s - loss: 0.0912
565/1149 [=====>...] - ETA: 0s - loss: 0.1178
365/1149 [=====>...] - ETA: 0s - loss: 0.0858
615/1149 [=====>...] - ETA: 0s - loss: 0.1087
715/1149 [=====>...] - ETA: 0s - loss: 1.1145
860/1149 [=====>...] - ETA: 0s - loss: 0.1769
770/1148 [=====>...] - ETA: 0s - loss: 0.0894
690/1149 [=====>...] - ETA: 0s - loss: 0.1284
490/1149 [=====>...] - ETA: 0s - loss: 0.1178
765/1149 [=====>...] - ETA: 0s - loss: 0.1139
770/1149 [=====>...] - ETA: 0s - loss: 1.1252
1005/1149 [=====>...] - ETA: 0s - loss: 0.1746
900/1148 [=====>...] - ETA: 0s - loss: 0.0891
800/1149 [=====>...] - ETA: 0s - loss: 0.1252
600/1149 [=====>...] - ETA: 0s - loss: 0.1281
880/1149 [=====>...] - ETA: 0s - loss: 0.1153
865/1149 [=====>...] - ETA: 0s - loss: 1.1176

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1105/1149 [=====>..] - ETA: 0s - loss: 0.1704
1000/1148 [=====>...] - ETA: 0s - loss: 0.0897
1149/1149 [=====] - 0s 427us/step - loss: 0.1687

900/1149 [=====>...] - ETA: 0s - loss: 0.1325Epoch 7/15

5/1149 [...] - ETA: 0s - loss: 0.2468
700/1149 [=====>...] - ETA: 0s - loss: 0.1232
965/1149 [=====>...] - ETA: 0s - loss: 0.1172
965/1149 [=====>...] - ETA: 0s - loss: 1.1114
1105/1148 [=====>..] - ETA: 0s - loss: 0.0898
110/1149 [=>...] - ETA: 0s - loss: 0.1455
1010/1149 [=====>...] - ETA: 0s - loss: 0.1284
800/1149 [=====>...] - ETA: 0s - loss: 0.1231
1148/1148 [=====] - 0s 418us/step - loss: 0.0883

1070/1149 [=====>...] - ETA: 0s - loss: 0.1235Epoch 9/15

5/1148 [...] - ETA: 0s - loss: 0.0523
1070/1149 [=====>...] - ETA: 0s - loss: 1.0759
1149/1149 [=====] - 1s 436us/step - loss: 0.1229
Epoch 10/10

5/1149 [...] - ETA: 0s - loss: 0.0092
1149/1149 [=====] - 1s 967us/step - loss: 1.0496
Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.5012
225/1149 [====>...] - ETA: 0s - loss: 0.1312
1110/1149 [=====>..] - ETA: 0s - loss: 0.1416
915/1149 [=====>...] - ETA: 0s - loss: 0.1204
110/1148 [=>...] - ETA: 0s - loss: 0.0683
1149/1149 [=====] - 1s 465us/step - loss: 0.1411
Epoch 9/10

5/1149 [...] - ETA: 0s - loss: 0.1046
110/1149 [=>...] - ETA: 0s - loss: 0.1112
130/1149 [==>...] - ETA: 0s - loss: 0.8410
340/1149 [=====>...] - ETA: 0s - loss: 0.1669
1015/1149 [=====>...] - ETA: 0s - loss: 0.1215
215/1148 [====>...] - ETA: 0s - loss: 0.0783
110/1149 [=>...] - ETA: 0s - loss: 0.0948
225/1149 [====>...] - ETA: 0s - loss: 0.0992
250/1149 [=====>...] - ETA: 0s - loss: 0.7550
440/1149 [=====>...] - ETA: 0s - loss: 0.1750
1140/1149 [=====>..] - ETA: 0s - loss: 0.1202
305/1148 [=====>...] - ETA: 0s - loss: 0.0762
1149/1149 [=====] - 1s 451us/step - loss: 0.1196

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Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.3709  
215/1149 [====>...] - ETA: 0s - loss: 0.0945  
345/1149 [=====>...] - ETA: 0s - loss: 0.1102  
370/1149 [=====>...] - ETA: 0s - loss: 0.7430  
550/1149 [=====>...] - ETA: 0s - loss: 0.1686  
405/1148 [=====>...] - ETA: 0s - loss: 0.0745  
130/1149 [==>...] - ETA: 0s - loss: 0.1658  
320/1149 [=====>...] - ETA: 0s - loss: 0.1068Epoch 1/15

5/1149 [...] - ETA: 1:17 - loss: 1.3059  
460/1149 [=====>...] - ETA: 0s - loss: 0.1317  
500/1149 [=====>...] - ETA: 0s - loss: 0.6476  
670/1149 [=====>...] - ETA: 0s - loss: 0.1596  
495/1148 [=====>...] - ETA: 0s - loss: 0.0751  
260/1149 [=====>...] - ETA: 0s - loss: 0.1260  
455/1149 [=====>...] - ETA: 0s - loss: 0.1459  
60/1149 [>...] - ETA: 7s - loss: 0.7883  
595/1149 [=====>...] - ETA: 0s - loss: 0.1330  
610/1149 [=====>...] - ETA: 0s - loss: 0.6785  
820/1149 [=====>...] - ETA: 0s - loss: 0.1547  
620/1148 [=====>...] - ETA: 0s - loss: 0.0801  
410/1149 [=====>...] - ETA: 0s - loss: 0.1244  
120/1149 [==>...] - ETA: 3s - loss: 0.9564  
555/1149 [=====>...] - ETA: 0s - loss: 0.1570  
730/1149 [=====>...] - ETA: 0s - loss: 0.6419  
725/1149 [=====>...] - ETA: 0s - loss: 0.1341  
950/1149 [=====>...] - ETA: 0s - loss: 0.1622  
735/1148 [=====>...] - ETA: 0s - loss: 0.0802  
520/1149 [=====>...] - ETA: 0s - loss: 0.1191  
680/1149 [=====>...] - ETA: 0s - loss: 0.1519  
145/1149 [==>...] - ETA: 3s - loss: 1.0120  
845/1149 [=====>...] - ETA: 0s - loss: 0.5889  
825/1149 [=====>...] - ETA: 0s - loss: 0.1311  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1637  
855/1148 [=====>...] - ETA: 0s - loss: 0.0802Epoch 1/20

5/1148 [...] - ETA: 1:24 - loss: 0.0957  
665/1149 [=====>...] - ETA: 0s - loss: 0.1230  
1149/1149 [=====] - 0s 420us/step - loss: 0.1609  
Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.0554  
785/1149 [=====>...] - ETA: 0s - loss: 0.1415  
215/1149 [====>...] - ETA: 2s - loss: 1.0946  
945/1149 [=====>...] - ETA: 0s - loss: 0.1257  
975/1149 [=====>...] - ETA: 0s - loss: 0.5592



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990/1148 [=====>...] - ETA: 0s - loss: 0.0829
 20/1148 [...] - ETA: 24s - loss: 0.4073
805/1149 [=====>...] - ETA: 0s - loss: 0.1165
140/1149 [==>...] - ETA: 0s - loss: 0.1469
900/1149 [=====>...] - ETA: 0s - loss: 0.1387
315/1149 [=====>...] - ETA: 1s - loss: 1.0556
1050/1149 [=====>...] - ETA: 0s - loss: 0.1252
1115/1149 [=====>.] - ETA: 0s - loss: 0.5256
1115/1148 [=====>.] - ETA: 0s - loss: 0.0871
 920/1149 [=====>...] - ETA: 0s - loss: 0.1135
1149/1149 [=====] - 0s 415us/step - loss: 0.5146

60/1148 [>...] - ETA: 8s - loss: 0.3654 Epoch 3/15

 5/1149 [...] - ETA: 0s - loss: 0.6576
1148/1148 [=====] - 1s 456us/step - loss: 0.0871
Epoch 10/15

 5/1148 [...] - ETA: 0s - loss: 0.0685
270/1149 [=====>...] - ETA: 0s - loss: 0.1326
1030/1149 [=====>...] - ETA: 0s - loss: 0.1404
400/1149 [=====>...] - ETA: 1s - loss: 1.0846
1149/1149 [=====] - 1s 437us/step - loss: 0.1215

1040/1149 [=====>...] - ETA: 0s - loss: 0.1110
 105/1149 [=>...] - ETA: 0s - loss: 0.2795
 135/1148 [==>...] - ETA: 0s - loss: 0.0723
 100/1148 [=>...] - ETA: 5s - loss: 0.3616
1149/1149 [=====] - 1s 445us/step - loss: 0.1389

385/1149 [=====>...] - ETA: 0s - loss: 0.1268Epoch 10/10

 5/1149 [...] - ETA: 0s - loss: 0.0694
515/1149 [=====>...] - ETA: 0s - loss: 1.0898
1149/1149 [=====] - 0s 398us/step - loss: 0.1166
Epoch 9/15

 5/1149 [...] - ETA: 0s - loss: 0.0732
235/1149 [=====>...] - ETA: 0s - loss: 0.2539
280/1148 [=====>...] - ETA: 0s - loss: 0.0875
515/1149 [=====>...] - ETA: 0s - loss: 0.1472
175/1148 [==>...] - ETA: 3s - loss: 0.3491
140/1149 [==>...] - ETA: 0s - loss: 0.0938
645/1149 [=====>...] - ETA: 0s - loss: 1.0227
130/1149 [==>...] - ETA: 0s - loss: 0.1105
370/1149 [=====>...] - ETA: 0s - loss: 0.2260
405/1148 [=====>...] - ETA: 0s - loss: 0.0894
660/1149 [=====>...] - ETA: 0s - loss: 0.1575

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265/1149 [=====>...] - ETA: 0s - loss: 0.0917  
 755/1149 [======>...] - ETA: 0s - loss: 1.0473  
 250/1148 [=====>...] - ETA: 2s - loss: 0.3510  
 260/1149 [=====>...] - ETA: 0s - loss: 0.1452  
 520/1148 [======>...] - ETA: 0s - loss: 0.0927  
 495/1149 [======>...] - ETA: 0s - loss: 0.2434  
 760/1149 [======>...] - ETA: 0s - loss: 0.1531  
 385/1149 [======>...] - ETA: 0s - loss: 0.1227  
 870/1149 [======>...] - ETA: 0s - loss: 0.9981  
 315/1148 [=====>...] - ETA: 1s - loss: 0.3512  
 395/1149 [======>...] - ETA: 0s - loss: 0.1224  
 630/1149 [======>...] - ETA: 0s - loss: 0.2283  
 625/1148 [======>...] - ETA: 0s - loss: 0.0911  
 885/1149 [======>...] - ETA: 0s - loss: 0.1570  
 500/1149 [======>...] - ETA: 0s - loss: 0.1318  
 965/1149 [======>...] - ETA: 0s - loss: 1.0403  
 395/1148 [=====>...] - ETA: 1s - loss: 0.3348  
 530/1149 [======>...] - ETA: 0s - loss: 0.1172  
 755/1149 [======>...] - ETA: 0s - loss: 0.2190  
 745/1148 [======>...] - ETA: 0s - loss: 0.0899  
 1005/1149 [======>...] - ETA: 0s - loss: 0.1552  
 630/1149 [======>...] - ETA: 0s - loss: 0.1267  
 1040/1149 [======>...] - ETA: 0s - loss: 1.0135  
 480/1148 [=====>...] - ETA: 1s - loss: 0.3337  
 650/1149 [======>...] - ETA: 0s - loss: 0.1110  
 865/1149 [======>...] - ETA: 0s - loss: 0.2137  
 1120/1149 [======>.] - ETA: 0s - loss: 0.1551  
 860/1148 [======>...] - ETA: 0s - loss: 0.0883  
 740/1149 [======>...] - ETA: 0s - loss: 0.1375  
 1145/1149 [======>.] - ETA: 0s - loss: 1.0168  
 1149/1149 [=====] - 1s 875us/step - loss: 1.0142  
 Epoch 2/15

5/1149 [...] - ETA: 0s - loss: 0.1035  
 595/1148 [======>...] - ETA: 0s - loss: 0.3300  
 1149/1149 [=====] - 0s 412us/step - loss: 0.1547  
 Epoch 9/15

5/1149 [...] - ETA: 0s - loss: 0.1524  
 770/1149 [======>...] - ETA: 0s - loss: 0.1045  
 970/1149 [======>...] - ETA: 0s - loss: 0.2076  
 970/1148 [======>...] - ETA: 0s - loss: 0.0886  
 845/1149 [======>...] - ETA: 0s - loss: 0.1352  
 130/1149 [==>...] - ETA: 0s - loss: 0.7572  
 715/1148 [======>...] - ETA: 0s - loss: 0.3161  
 110/1149 [=>...] - ETA: 0s - loss: 0.1175  
 905/1149 [======>...] - ETA: 0s - loss: 0.1081  
 1075/1149 [======>..] - ETA: 0s - loss: 0.2003

960/1149 [=====>...] - ETA: 0s - loss: 0.1296  
1080/1148 [=====>..] - ETA: 0s - loss: 0.0858  
245/1149 [=====>...] - ETA: 0s - loss: 0.8915  
850/1148 [=====>...] - ETA: 0s - loss: 0.2977  
225/1149 [=====>...] - ETA: 0s - loss: 0.1076  
1149/1149 [=====] - 0s 430us/step - loss: 0.1969  
Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.3847  
1148/1148 [=====] - 0s 433us/step - loss: 0.0864  
Epoch 11/15

5/1148 [...] - ETA: 0s - loss: 0.2458  
970/1149 [=====>...] - ETA: 0s - loss: 0.1081  
1065/1149 [=====>...] - ETA: 0s - loss: 0.1237  
390/1149 [=====>...] - ETA: 0s - loss: 0.7804  
975/1148 [=====>...] - ETA: 0s - loss: 0.2816  
350/1149 [=====>...] - ETA: 0s - loss: 0.1509  
125/1149 [==>...] - ETA: 0s - loss: 0.2038  
125/1148 [==>...] - ETA: 0s - loss: 0.0878  
1149/1149 [=====] - 0s 434us/step - loss: 0.1359  
  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1141  
510/1149 [=====>...] - ETA: 0s - loss: 0.7363  
1105/1148 [=====>..] - ETA: 0s - loss: 0.2707  
475/1149 [=====>...] - ETA: 0s - loss: 0.1469  
1148/1148 [=====] - 1s 940us/step - loss: 0.2661  
Epoch 2/20

5/1148 [...] - ETA: 0s - loss: 0.1524  
225/1149 [=====>...] - ETA: 0s - loss: 0.1757  
245/1148 [=====>...] - ETA: 0s - loss: 0.0779  
1110/1149 [=====>..] - ETA: 0s - loss: 0.1150  
645/1149 [=====>...] - ETA: 0s - loss: 0.7288  
1149/1149 [=====] - 1s 465us/step - loss: 0.1142  
Epoch 1/20

5/1149 [...] - ETA: 1:04 - loss: 0.7333Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.1495  
610/1149 [=====>...] - ETA: 0s - loss: 0.1512  
150/1148 [==>...] - ETA: 0s - loss: 0.1751  
345/1149 [=====>...] - ETA: 0s - loss: 0.2095  
365/1148 [=====>...] - ETA: 0s - loss: 0.0806  
790/1149 [=====>...] - ETA: 0s - loss: 0.6692  
160/1149 [==>...] - ETA: 0s - loss: 0.1075  
75/1149 [>...] - ETA: 4s - loss: 1.0622  
730/1149 [=====>...] - ETA: 0s - loss: 0.1488

285/1148 [=====>...] - ETA: 0s - loss: 0.1760  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1923  
 480/1148 [=====>...] - ETA: 0s - loss: 0.0810  
 925/1149 [=====>...] - ETA: 0s - loss: 0.6498  
 315/1149 [=====>...] - ETA: 0s - loss: 0.0991  
 155/1149 [===>...] - ETA: 2s - loss: 1.1687  
 840/1149 [=====>...] - ETA: 0s - loss: 0.1565  
 400/1148 [=====>...] - ETA: 0s - loss: 0.1724  
 580/1149 [=====>...] - ETA: 0s - loss: 0.1923  
 595/1148 [=====>...] - ETA: 0s - loss: 0.0881  
 1030/1149 [=====>...] - ETA: 0s - loss: 0.6295  
 455/1149 [=====>...] - ETA: 0s - loss: 0.0999  
 205/1149 [=====>...] - ETA: 2s - loss: 1.0375  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1518  
 680/1149 [=====>...] - ETA: 0s - loss: 0.1817  
 515/1148 [=====>...] - ETA: 0s - loss: 0.1618  
 705/1148 [=====>...] - ETA: 0s - loss: 0.0868  
 605/1149 [=====>...] - ETA: 0s - loss: 0.0961  
 1145/1149 [=====>.] - ETA: 0s - loss: 0.6048  
 1149/1149 [=====] - 0s 404us/step - loss: 0.6035  
 Epoch 3/15

5/1149 [...] - ETA: 0s - loss: 0.7476  
 1080/1149 [=====>.] - ETA: 0s - loss: 0.1503  
 270/1149 [=====>...] - ETA: 1s - loss: 1.0536  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1731  
 625/1148 [=====>...] - ETA: 0s - loss: 0.1546  
 815/1148 [=====>...] - ETA: 0s - loss: 0.0865  
 1149/1149 [=====] - 0s 427us/step - loss: 0.1504  
 Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.0375  
 710/1149 [=====>...] - ETA: 0s - loss: 0.1143  
 115/1149 [==>...] - ETA: 0s - loss: 0.3737  
 330/1149 [=====>...] - ETA: 1s - loss: 1.1435  
 945/1149 [=====>...] - ETA: 0s - loss: 0.1657  
 755/1148 [=====>...] - ETA: 0s - loss: 0.1520  
 930/1148 [=====>...] - ETA: 0s - loss: 0.0845  
 135/1149 [==>...] - ETA: 0s - loss: 0.1565  
 820/1149 [=====>...] - ETA: 0s - loss: 0.1110  
 235/1149 [=====>...] - ETA: 0s - loss: 0.3657  
 410/1149 [=====>...] - ETA: 1s - loss: 1.2049  
 1050/1149 [=====>...] - ETA: 0s - loss: 0.1628  
 895/1148 [=====>...] - ETA: 0s - loss: 0.1463  
 1035/1148 [=====>...] - ETA: 0s - loss: 0.0854  
 255/1149 [=====>...] - ETA: 0s - loss: 0.1540  
 915/1149 [=====>...] - ETA: 0s - loss: 0.1172  
 365/1149 [=====>...] - ETA: 0s - loss: 0.3610

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1149/1149 [=====] - 1s 441us/step - loss: 0.1596

465/1149 [=====>...] - ETA: 0s - loss: 1.2621Epoch 5/15

5/1149 [...] - ETA: 0s - loss: 0.0740
1015/1148 [=====>...] - ETA: 0s - loss: 0.1396
1148/1148 [=====] - 1s 445us/step - loss: 0.0855
Epoch 12/15

5/1148 [...] - ETA: 0s - loss: 0.0146
380/1149 [=====>...] - ETA: 0s - loss: 0.1400
1040/1149 [=====>...] - ETA: 0s - loss: 0.1179
500/1149 [=====>...] - ETA: 0s - loss: 0.3360
135/1149 [==>...] - ETA: 0s - loss: 0.1022
545/1149 [=====>...] - ETA: 0s - loss: 1.2519
1130/1148 [=====>.] - ETA: 0s - loss: 0.1367
115/1148 [==>...] - ETA: 0s - loss: 0.0788
1148/1148 [=====] - 0s 414us/step - loss: 0.1363
Epoch 3/20

5/1148 [...] - ETA: 0s - loss: 0.1665
1149/1149 [=====] - 0s 390us/step - loss: 0.1135

485/1149 [=====>...] - ETA: 0s - loss: 0.1373Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.0558
640/1149 [=====>...] - ETA: 0s - loss: 0.3146
600/1149 [=====>...] - ETA: 0s - loss: 1.2351
260/1149 [=====>...] - ETA: 0s - loss: 0.1716
235/1148 [=====>...] - ETA: 0s - loss: 0.0797
95/1148 [=>...] - ETA: 0s - loss: 0.1042
620/1149 [=====>...] - ETA: 0s - loss: 0.1335
125/1149 [==>...] - ETA: 0s - loss: 0.1222
730/1149 [=====>...] - ETA: 0s - loss: 0.3020
690/1149 [=====>...] - ETA: 0s - loss: 1.1478
385/1149 [=====>...] - ETA: 0s - loss: 0.1567
390/1148 [=====>...] - ETA: 0s - loss: 0.0757Epoch 1/20

5/1149 [...] - ETA: 1:06 - loss: 3.7830
170/1148 [==>...] - ETA: 0s - loss: 0.1059
745/1149 [=====>...] - ETA: 0s - loss: 0.1336
265/1149 [=====>...] - ETA: 0s - loss: 0.1008
835/1149 [=====>...] - ETA: 0s - loss: 0.2913
800/1149 [=====>...] - ETA: 0s - loss: 1.1308
510/1149 [=====>...] - ETA: 0s - loss: 0.1542
505/1148 [=====>...] - ETA: 0s - loss: 0.0741
40/1149 [>...] - ETA: 9s - loss: 1.3252
290/1148 [=====>...] - ETA: 0s - loss: 0.0978

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405/1149 [=====>...] - ETA: 0s - loss: 0.0945  
 880/1149 [=====>...] - ETA: 0s - loss: 0.1297  
 950/1149 [=====>...] - ETA: 0s - loss: 0.2810  
 935/1149 [=====>...] - ETA: 0s - loss: 1.1326  
 600/1149 [=====>...] - ETA: 0s - loss: 0.1497  
 610/1148 [=====>...] - ETA: 0s - loss: 0.0763  
 405/1148 [=====>...] - ETA: 0s - loss: 0.0946  
 70/1149 [>...] - ETA: 6s - loss: 1.3658  
 495/1149 [=====>...] - ETA: 0s - loss: 0.0928  
 990/1149 [=====>...] - ETA: 0s - loss: 0.1450  
 1080/1149 [=====>...] - ETA: 0s - loss: 0.2768  
 1050/1149 [=====>...] - ETA: 0s - loss: 1.0947  
 725/1149 [=====>...] - ETA: 0s - loss: 0.1599  
 720/1148 [=====>...] - ETA: 0s - loss: 0.0800  
 1149/1149 [=====] - 0s 425us/step - loss: 0.2699  
 Epoch 4/15

5/1149 [...] - ETA: 0s - loss: 0.1093  
 125/1149 [==>...] - ETA: 3s - loss: 1.3923  
 530/1148 [=====>...] - ETA: 0s - loss: 0.0917  
 615/1149 [=====>...] - ETA: 0s - loss: 0.0976  
 1120/1149 [=====>...] - ETA: 0s - loss: 0.1488  
 1149/1149 [=====] - 1s 871us/step - loss: 1.1230  
 Epoch 2/20

5/1149 [...] - ETA: 0s - loss: 1.1549  
 1149/1149 [=====] - 0s 418us/step - loss: 0.1476  
 Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.1471  
 845/1149 [=====>...] - ETA: 0s - loss: 0.1528  
 805/1148 [=====>...] - ETA: 0s - loss: 0.0851  
 155/1149 [==>...] - ETA: 3s - loss: 1.4740  
 135/1149 [==>...] - ETA: 0s - loss: 0.1639  
 655/1148 [=====>...] - ETA: 0s - loss: 0.0943  
 750/1149 [=====>...] - ETA: 0s - loss: 0.1082  
 140/1149 [==>...] - ETA: 0s - loss: 0.9604  
 125/1149 [==>...] - ETA: 0s - loss: 0.1171  
 955/1149 [=====>...] - ETA: 0s - loss: 0.1500  
 920/1148 [=====>...] - ETA: 0s - loss: 0.0843  
 205/1149 [====>...] - ETA: 2s - loss: 1.5141  
 245/1149 [====>...] - ETA: 0s - loss: 0.1937  
 765/1148 [=====>...] - ETA: 0s - loss: 0.0901  
 870/1149 [=====>...] - ETA: 0s - loss: 0.1171  
 260/1149 [====>...] - ETA: 0s - loss: 0.9650  
 245/1149 [====>...] - ETA: 0s - loss: 0.1302  
 1080/1149 [=====>...] - ETA: 0s - loss: 0.1475  
 1045/1148 [=====>...] - ETA: 0s - loss: 0.0842

370/1149 [=====>...] - ETA: 0s - loss: 0.2060  
260/1149 [=====>...] - ETA: 2s - loss: 1.2963  
875/1148 [=====>...] - ETA: 0s - loss: 0.0934  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1136  
1149/1149 [=====>...] - 0s 434us/step - loss: 0.1447  
Epoch 6/15

5/1149 [...] - ETA: 0s - loss: 0.2897  
380/1149 [=====>...] - ETA: 0s - loss: 0.8306  
365/1149 [=====>...] - ETA: 0s - loss: 0.1323  
1148/1148 [=====>...] - 1s 442us/step - loss: 0.0847  
Epoch 13/15

5/1148 [...] - ETA: 0s - loss: 0.1088  
485/1149 [=====>...] - ETA: 0s - loss: 0.2110  
325/1149 [=====>...] - ETA: 1s - loss: 1.1875  
980/1148 [=====>...] - ETA: 0s - loss: 0.0992  
1135/1149 [=====>...] - ETA: 0s - loss: 0.1110  
1149/1149 [=====>...] - 0s 412us/step - loss: 0.1116  
Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.0793  
125/1149 [==>...] - ETA: 0s - loss: 0.1229  
460/1149 [=====>...] - ETA: 0s - loss: 0.8522  
495/1149 [=====>...] - ETA: 0s - loss: 0.1311  
150/1148 [==>...] - ETA: 0s - loss: 0.1142  
605/1149 [=====>...] - ETA: 0s - loss: 0.1980  
375/1149 [=====>...] - ETA: 1s - loss: 1.2526  
1105/1148 [=====>...] - ETA: 0s - loss: 0.0967  
140/1149 [==>...] - ETA: 0s - loss: 0.0905  
225/1149 [=====>...] - ETA: 0s - loss: 0.1365  
555/1149 [=====>...] - ETA: 0s - loss: 0.9250  
605/1149 [=====>...] - ETA: 0s - loss: 0.1280  
1148/1148 [=====>...] - 1s 470us/step - loss: 0.0963  
Epoch 4/20

5/1148 [...] - ETA: 0s - loss: 0.0089  
275/1148 [=====>...] - ETA: 0s - loss: 0.0904  
720/1149 [=====>...] - ETA: 0s - loss: 0.2034  
445/1149 [=====>...] - ETA: 1s - loss: 1.2278  
275/1149 [=====>...] - ETA: 0s - loss: 0.0966  
345/1149 [=====>...] - ETA: 0s - loss: 0.1399  
685/1149 [=====>...] - ETA: 0s - loss: 0.9014  
715/1149 [=====>...] - ETA: 0s - loss: 0.1307  
90/1148 [=>...] - ETA: 0s - loss: 0.0962  
400/1148 [=====>...] - ETA: 0s - loss: 0.0907  
835/1149 [=====>...] - ETA: 0s - loss: 0.1941  
520/1149 [=====>...] - ETA: 0s - loss: 1.1819

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360/1149 [=====>...] - ETA: 0s - loss: 0.1081
420/1149 [=====>...] - ETA: 0s - loss: 0.1347
790/1149 [=====>...] - ETA: 0s - loss: 0.8935
790/1149 [=====>...] - ETA: 0s - loss: 0.1318
170/1148 [===>...] - ETA: 0s - loss: 0.0904
900/1149 [=====>...] - ETA: 0s - loss: 0.1881
565/1149 [=====>...] - ETA: 0s - loss: 1.1733
475/1148 [=====>...] - ETA: 0s - loss: 0.0880
465/1149 [=====>...] - ETA: 0s - loss: 0.1338
420/1149 [=====>...] - ETA: 0s - loss: 0.1081
855/1149 [=====>...] - ETA: 0s - loss: 0.8732
900/1149 [=====>...] - ETA: 0s - loss: 0.1279
265/1148 [=====>...] - ETA: 0s - loss: 0.0907
970/1149 [=====>...] - ETA: 0s - loss: 0.1834
645/1149 [=====>...] - ETA: 0s - loss: 1.1674
530/1148 [=====>...] - ETA: 0s - loss: 0.0916
530/1149 [=====>...] - ETA: 0s - loss: 0.1322
495/1149 [=====>...] - ETA: 0s - loss: 0.1042
935/1149 [=====>...] - ETA: 0s - loss: 0.8206
1010/1149 [=====>...] - ETA: 0s - loss: 0.1418
385/1148 [=====>...] - ETA: 0s - loss: 0.0954
1055/1149 [=====>...] - ETA: 0s - loss: 0.1844
750/1149 [=====>...] - ETA: 0s - loss: 1.1340
635/1148 [=====>...] - ETA: 0s - loss: 0.0886
620/1149 [=====>...] - ETA: 0s - loss: 0.1297
595/1149 [=====>...] - ETA: 0s - loss: 0.1012
1045/1149 [=====>...] - ETA: 0s - loss: 0.8084
475/1148 [=====>...] - ETA: 0s - loss: 0.0958
1110/1149 [=====>...] - ETA: 0s - loss: 0.1405
1149/1149 [=====] - 1s 482us/step - loss: 0.1815
Epoch 5/15

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5/1149 [...] - ETA: 0s - loss: 0.0929
875/1149 [=====>...] - ETA: 0s - loss: 1.1324
745/1148 [=====>...] - ETA: 0s - loss: 0.0866
1149/1149 [=====] - 1s 483us/step - loss: 0.1442

1149/1149 [=====] - 1s 486us/step - loss: 0.7905
Epoch 12/15

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5/1149 [...] - ETA: 0s - loss: 0.1086
745/1149 [=====>...] - ETA: 0s - loss: 0.1336
725/1149 [=====>...] - ETA: 0s - loss: 0.0995Epoch 3/20

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5/1149 [...] - ETA: 1s - loss: 0.8392
550/1148 [=====>...] - ETA: 0s - loss: 0.0926
125/1149 [==>...] - ETA: 0s - loss: 0.2127
860/1148 [=====>...] - ETA: 0s - loss: 0.0888

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1005/1149 [=====>...] - ETA: 0s - loss: 1.1527
 80/1149 [=>...] - ETA: 0s - loss: 0.1344
865/1149 [=====>...] - ETA: 0s - loss: 0.1333
130/1149 [==>...] - ETA: 0s - loss: 0.5569
860/1149 [=====>...] - ETA: 0s - loss: 0.1079
630/1148 [=====>...] - ETA: 0s - loss: 0.0908
250/1149 [=====>...] - ETA: 0s - loss: 0.2256
1120/1149 [=====>.] - ETA: 0s - loss: 1.1335
970/1148 [=====>...] - ETA: 0s - loss: 0.0874
240/1149 [=====>...] - ETA: 0s - loss: 0.6471
210/1149 [=====>...] - ETA: 0s - loss: 0.1372
985/1149 [=====>...] - ETA: 0s - loss: 0.1309
960/1149 [=====>...] - ETA: 0s - loss: 0.1078
1149/1149 [=====] - 1s 984us/step - loss: 1.1205
Epoch 2/20

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 5/1149 [...] - ETA: 0s - loss: 0.3395
740/1148 [=====>...] - ETA: 0s - loss: 0.0897
350/1149 [=====>...] - ETA: 0s - loss: 0.1932
1090/1148 [=====>.] - ETA: 0s - loss: 0.0846
340/1149 [=====>...] - ETA: 0s - loss: 0.6014
1115/1149 [=====>.] - ETA: 0s - loss: 0.1287
350/1149 [=====>...] - ETA: 0s - loss: 0.1353
1065/1149 [=====>...] - ETA: 0s - loss: 0.1113
100/1149 [=>...] - ETA: 0s - loss: 1.1133
860/1148 [=====>...] - ETA: 0s - loss: 0.0913
1148/1148 [=====] - 1s 488us/step - loss: 0.0843
Epoch 14/15

```

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 5/1148 [...] - ETA: 0s - loss: 0.1498
1149/1149 [=====] - 1s 508us/step - loss: 0.1386
Epoch 7/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.0650
450/1149 [=====>...] - ETA: 0s - loss: 0.1888
1149/1149 [=====] - 1s 486us/step - loss: 0.1107
Epoch 13/15

```

```

 5/1149 [...] - ETA: 0s - loss: 0.0498
480/1149 [=====>...] - ETA: 0s - loss: 0.1310
450/1149 [=====>...] - ETA: 0s - loss: 0.5445
210/1149 [=====>...] - ETA: 0s - loss: 0.8773
975/1148 [=====>...] - ETA: 0s - loss: 0.0911
105/1148 [=>...] - ETA: 0s - loss: 0.0727
100/1149 [=>...] - ETA: 0s - loss: 0.0955
585/1149 [=====>...] - ETA: 0s - loss: 0.1779
115/1149 [==>...] - ETA: 0s - loss: 0.0736
600/1149 [=====>...] - ETA: 0s - loss: 0.1215

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550/1149 [=====>...] - ETA: 0s - loss: 0.4968
325/1149 [=====>...] - ETA: 0s - loss: 0.8714
1095/1148 [=====>...] - ETA: 0s - loss: 0.0880
205/1148 [=====>...] - ETA: 0s - loss: 0.0763
205/1149 [=====>...] - ETA: 0s - loss: 0.1102
710/1149 [=====>...] - ETA: 0s - loss: 0.1823
1148/1148 [=====] - 1s 516us/step - loss: 0.0876
Epoch 5/20

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5/1148 [...] - ETA: 0s - loss: 0.0264
230/1149 [=====>...] - ETA: 0s - loss: 0.1151
650/1149 [=====>...] - ETA: 0s - loss: 0.4834
725/1149 [=====>...] - ETA: 0s - loss: 0.1426
440/1149 [=====>...] - ETA: 0s - loss: 0.8952
320/1148 [=====>...] - ETA: 0s - loss: 0.0824
320/1149 [=====>...] - ETA: 0s - loss: 0.1116
800/1149 [=====>...] - ETA: 0s - loss: 0.1760
115/1148 [=====>...] - ETA: 0s - loss: 0.0782
770/1149 [=====>...] - ETA: 0s - loss: 0.4642
335/1149 [=====>...] - ETA: 0s - loss: 0.1098
820/1149 [=====>...] - ETA: 0s - loss: 0.1402
565/1149 [=====>...] - ETA: 0s - loss: 0.8535
445/1148 [=====>...] - ETA: 0s - loss: 0.0912
445/1149 [=====>...] - ETA: 0s - loss: 0.1054
865/1149 [=====>...] - ETA: 0s - loss: 0.1731
225/1148 [=====>...] - ETA: 0s - loss: 0.0762
430/1149 [=====>...] - ETA: 0s - loss: 0.1050
910/1149 [=====>...] - ETA: 0s - loss: 0.4281
905/1149 [=====>...] - ETA: 0s - loss: 0.1381
705/1149 [=====>...] - ETA: 0s - loss: 0.7994
570/1148 [=====>...] - ETA: 0s - loss: 0.0911
585/1149 [=====>...] - ETA: 0s - loss: 0.1255
930/1149 [=====>...] - ETA: 0s - loss: 0.1696
340/1148 [=====>...] - ETA: 0s - loss: 0.0739
540/1149 [=====>...] - ETA: 0s - loss: 0.1002
1030/1149 [=====>...] - ETA: 0s - loss: 0.1434
1030/1149 [=====>...] - ETA: 0s - loss: 0.4371
805/1149 [=====>...] - ETA: 0s - loss: 0.7562
670/1148 [=====>...] - ETA: 0s - loss: 0.0886
700/1149 [=====>...] - ETA: 0s - loss: 0.1455
1075/1149 [=====>...] - ETA: 0s - loss: 0.1685
455/1148 [=====>...] - ETA: 0s - loss: 0.0755
1149/1149 [=====] - 1s 447us/step - loss: 0.1421
Epoch 13/15

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5/1149 [...] - ETA: 0s - loss: 0.2336
660/1149 [=====>...] - ETA: 0s - loss: 0.1063
1145/1149 [=====>...] - ETA: 0s - loss: 0.4311

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1149/1149 [=====] - 1s 476us/step - loss: 0.1642  
Epoch 6/15

5/1149 [...] - ETA: 0s - loss: 0.0798  
1149/1149 [=====] - 1s 455us/step - loss: 0.4331

870/1149 [=====>...] - ETA: 0s - loss: 0.7338Epoch 4/20

5/1149 [...] - ETA: 0s - loss: 0.0644  
750/1148 [=====>...] - ETA: 0s - loss: 0.0891  
795/1149 [=====>...] - ETA: 0s - loss: 0.1419  
575/1148 [=====>...] - ETA: 0s - loss: 0.0773  
120/1149 [==>...] - ETA: 0s - loss: 0.1297  
815/1149 [=====>...] - ETA: 0s - loss: 0.1054  
150/1149 [==>...] - ETA: 0s - loss: 0.1680  
945/1149 [=====>...] - ETA: 0s - loss: 0.7048  
105/1149 [=>...] - ETA: 0s - loss: 0.2349  
855/1148 [=====>...] - ETA: 0s - loss: 0.0879  
915/1149 [=====>...] - ETA: 0s - loss: 0.1389  
695/1148 [=====>...] - ETA: 0s - loss: 0.0791  
220/1149 [====>...] - ETA: 0s - loss: 0.1565  
910/1149 [=====>...] - ETA: 0s - loss: 0.1161  
235/1149 [====>...] - ETA: 0s - loss: 0.1599  
1085/1149 [=====>..] - ETA: 0s - loss: 0.6507  
195/1149 [====>...] - ETA: 0s - loss: 0.2813  
985/1148 [=====>...] - ETA: 0s - loss: 0.0862  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1369  
1149/1149 [=====] - 1s 471us/step - loss: 0.6430  
Epoch 3/20

5/1149 [...] - ETA: 0s - loss: 0.1645  
820/1148 [=====>...] - ETA: 0s - loss: 0.0784  
305/1149 [=====>...] - ETA: 0s - loss: 0.1384  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1152  
340/1149 [=====>...] - ETA: 0s - loss: 0.1631  
280/1149 [=====>...] - ETA: 0s - loss: 0.3115  
1149/1149 [=====] - 1s 437us/step - loss: 0.1340  
Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.0931  
1120/1148 [=====>.] - ETA: 0s - loss: 0.0842  
1148/1148 [=====] - 1s 459us/step - loss: 0.0836  
Epoch 15/15

5/1148 [...] - ETA: 0s - loss: 0.0547  
130/1149 [==>...] - ETA: 0s - loss: 0.2868  
925/1148 [=====>...] - ETA: 0s - loss: 0.0795  
435/1149 [=====>...] - ETA: 0s - loss: 0.1373

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1120/1149 [=====>.] - ETA: 0s - loss: 0.1107
455/1149 [=====>...] - ETA: 0s - loss: 0.1625
1149/1149 [=====] - 1s 457us/step - loss: 0.1094

410/1149 [=====>...] - ETA: 0s - loss: 0.2769Epoch 14/15

5/1149 [...] - ETA: 0s - loss: 0.0846
90/1149 [=>...] - ETA: 0s - loss: 0.1063
95/1148 [=>...] - ETA: 0s - loss: 0.0945
220/1149 [====>...] - ETA: 0s - loss: 0.2628
1030/1148 [=====>...] - ETA: 0s - loss: 0.0813
575/1149 [=====>...] - ETA: 0s - loss: 0.1332
570/1149 [=====>...] - ETA: 0s - loss: 0.1541
570/1149 [=====>...] - ETA: 0s - loss: 0.2539
175/1149 [===>...] - ETA: 0s - loss: 0.1122
145/1149 [==>...] - ETA: 0s - loss: 0.0966
300/1149 [=====>...] - ETA: 0s - loss: 0.2472
170/1148 [===>...] - ETA: 0s - loss: 0.0947
1148/1148 [=====] - 1s 442us/step - loss: 0.0847
Epoch 6/20

5/1148 [...] - ETA: 0s - loss: 0.1600
710/1149 [=====>...] - ETA: 0s - loss: 0.1350
685/1149 [=====>...] - ETA: 0s - loss: 0.1549
700/1149 [=====>...] - ETA: 0s - loss: 0.2324
260/1149 [=====>...] - ETA: 0s - loss: 0.0837
265/1149 [=====>...] - ETA: 0s - loss: 0.1398
445/1149 [=====>...] - ETA: 0s - loss: 0.2218
290/1148 [=====>...] - ETA: 0s - loss: 0.0890
125/1148 [==>...] - ETA: 0s - loss: 0.0691
805/1149 [=====>...] - ETA: 0s - loss: 0.1296
785/1149 [=====>...] - ETA: 0s - loss: 0.1505
380/1149 [=====>...] - ETA: 0s - loss: 0.1017
375/1149 [=====>...] - ETA: 0s - loss: 0.1270
800/1149 [=====>...] - ETA: 0s - loss: 0.2245
580/1149 [=====>...] - ETA: 0s - loss: 0.2376
435/1148 [=====>...] - ETA: 0s - loss: 0.0854
220/1148 [====>...] - ETA: 0s - loss: 0.0786
905/1149 [=====>...] - ETA: 0s - loss: 0.1275
880/1149 [=====>...] - ETA: 0s - loss: 0.1516
485/1149 [=====>...] - ETA: 0s - loss: 0.1241
895/1149 [=====>...] - ETA: 0s - loss: 0.2195
480/1149 [=====>...] - ETA: 0s - loss: 0.1062
700/1149 [=====>...] - ETA: 0s - loss: 0.2267
540/1148 [=====>...] - ETA: 0s - loss: 0.0845
325/1148 [=====>...] - ETA: 0s - loss: 0.0768
1025/1149 [=====>...] - ETA: 0s - loss: 0.1297
995/1149 [=====>...] - ETA: 0s - loss: 0.1567

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620/1149 [=====>...] - ETA: 0s - loss: 0.1244  
995/1149 [=====>...] - ETA: 0s - loss: 0.2140  
585/1149 [=====>...] - ETA: 0s - loss: 0.1030  
655/1148 [=====>...] - ETA: 0s - loss: 0.0818  
820/1149 [=====>...] - ETA: 0s - loss: 0.2161  
430/1148 [=====>...] - ETA: 0s - loss: 0.0855  
1149/1149 [=====] - 1s 440us/step - loss: 0.1403  
Epoch 14/15

5/1149 [...] - ETA: 0s - loss: 0.1276  
1115/1149 [=====>.] - ETA: 0s - loss: 0.1548  
750/1149 [=====>...] - ETA: 0s - loss: 0.1397  
1095/1149 [=====>..] - ETA: 0s - loss: 0.2119  
700/1149 [=====>...] - ETA: 0s - loss: 0.1107  
1149/1149 [=====] - 1s 458us/step - loss: 0.1562  
Epoch 7/15

5/1149 [...] - ETA: 0s - loss: 0.0841  
765/1148 [=====>...] - ETA: 0s - loss: 0.0811  
935/1149 [=====>...] - ETA: 0s - loss: 0.2109  
530/1148 [=====>...] - ETA: 0s - loss: 0.0861  
1149/1149 [=====] - 1s 476us/step - loss: 0.2085

130/1149 [==>...] - ETA: 0s - loss: 0.1093Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.6685  
860/1149 [=====>...] - ETA: 0s - loss: 0.1391  
825/1149 [=====>...] - ETA: 0s - loss: 0.1127  
120/1149 [==>...] - ETA: 0s - loss: 0.2673  
1030/1149 [=====>...] - ETA: 0s - loss: 0.2040  
885/1148 [=====>...] - ETA: 0s - loss: 0.0821  
640/1148 [=====>...] - ETA: 0s - loss: 0.0839  
230/1149 [=====>...] - ETA: 0s - loss: 0.1361  
150/1149 [==>...] - ETA: 0s - loss: 0.1918  
975/1149 [=====>...] - ETA: 0s - loss: 0.1389  
930/1149 [=====>...] - ETA: 0s - loss: 0.1111  
220/1149 [=====>...] - ETA: 0s - loss: 0.2238  
1005/1148 [=====>...] - ETA: 0s - loss: 0.0861  
1135/1149 [=====>.] - ETA: 0s - loss: 0.1957  
745/1148 [=====>...] - ETA: 0s - loss: 0.0840  
1149/1149 [=====] - 1s 455us/step - loss: 0.1947

335/1149 [=====>...] - ETA: 0s - loss: 0.1294  
275/1149 [=====>...] - ETA: 0s - loss: 0.1523Epoch 4/20

5/1149 [...] - ETA: 0s - loss: 0.3808  
1105/1149 [=====>..] - ETA: 0s - loss: 0.1344  
1045/1149 [=====>...] - ETA: 0s - loss: 0.1066

```

325/1149 [=====>...] - ETA: 0s - loss: 0.1852
1149/1149 [=====] - 1s 463us/step - loss: 0.1329

1110/1148 [=====>.] - ETA: 0s - loss: 0.0833Epoch 9/15

5/1149 [...] - ETA: 1s - loss: 0.0642
865/1148 [=====>...] - ETA: 0s - loss: 0.0794
430/1149 [=====>...] - ETA: 0s - loss: 0.1227
385/1149 [=====>...] - ETA: 0s - loss: 0.1475
105/1149 [=>...] - ETA: 0s - loss: 0.1239
1148/1148 [=====] - 1s 467us/step - loss: 0.0828

1149/1149 [=====] - 1s 450us/step - loss: 0.1077
Epoch 15/15

5/1149 [...] - ETA: 0s - loss: 0.1011
425/1149 [=====>...] - ETA: 0s - loss: 0.1713
990/1148 [=====>...] - ETA: 0s - loss: 0.0821
90/1149 [=>...] - ETA: 0s - loss: 0.1193
530/1149 [=====>...] - ETA: 0s - loss: 0.1571
485/1149 [=====>...] - ETA: 0s - loss: 0.1495
215/1149 [====>...] - ETA: 0s - loss: 0.1248
130/1149 [==>...] - ETA: 0s - loss: 0.0932
535/1149 [=====>...] - ETA: 0s - loss: 0.1618
195/1149 [====>...] - ETA: 0s - loss: 0.1129
1105/1148 [=====>..] - ETA: 0s - loss: 0.0840
560/1149 [=====>...] - ETA: 0s - loss: 0.1494
650/1149 [=====>...] - ETA: 0s - loss: 0.1467
335/1149 [=====>...] - ETA: 0s - loss: 0.1275
220/1149 [====>...] - ETA: 0s - loss: 0.0886
1148/1148 [=====] - 1s 478us/step - loss: 0.0831
Epoch 7/20

5/1148 [...] - ETA: 0s - loss: 0.1886
625/1149 [=====>...] - ETA: 0s - loss: 0.1667
330/1149 [=====>...] - ETA: 0s - loss: 0.1102
755/1149 [=====>...] - ETA: 0s - loss: 0.1421
670/1149 [=====>...] - ETA: 0s - loss: 0.1594
480/1149 [=====>...] - ETA: 0s - loss: 0.1331
300/1149 [=====>...] - ETA: 0s - loss: 0.0841
710/1149 [=====>...] - ETA: 0s - loss: 0.1618
80/1148 [=>...] - ETA: 0s - loss: 0.0779
445/1149 [=====>...] - ETA: 0s - loss: 0.1424
785/1149 [=====>...] - ETA: 0s - loss: 0.1625
880/1149 [=====>...] - ETA: 0s - loss: 0.1418
620/1149 [=====>...] - ETA: 0s - loss: 0.1304
405/1149 [=====>...] - ETA: 0s - loss: 0.0852
800/1149 [=====>...] - ETA: 0s - loss: 0.1588

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140/1148 [==>...] - ETA: 0s - loss: 0.0768  
 525/1149 [=====>...] - ETA: 0s - loss: 0.1322  
 955/1149 [=====>...] - ETA: 0s - loss: 0.1445  
 865/1149 [=====>...] - ETA: 0s - loss: 0.1596  
 695/1149 [=====>...] - ETA: 0s - loss: 0.1328  
 460/1149 [=====>...] - ETA: 0s - loss: 0.0858  
 180/1148 [==>...] - ETA: 0s - loss: 0.0785  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1566  
 570/1149 [=====>...] - ETA: 0s - loss: 0.1341  
 1005/1149 [=====>...] - ETA: 0s - loss: 0.1436  
 915/1149 [=====>...] - ETA: 0s - loss: 0.1600  
 740/1149 [=====>...] - ETA: 0s - loss: 0.1330  
 520/1149 [=====>...] - ETA: 0s - loss: 0.0899  
 245/1148 [=====>...] - ETA: 0s - loss: 0.0777  
 930/1149 [=====>...] - ETA: 0s - loss: 0.1565  
 650/1149 [=====>...] - ETA: 0s - loss: 0.1273  
 1105/1149 [=====>...] - ETA: 0s - loss: 0.1408  
 1005/1149 [=====>...] - ETA: 0s - loss: 0.1548  
 795/1149 [=====>...] - ETA: 0s - loss: 0.1321  
 1149/1149 [=====] - 1s 513us/step - loss: 0.1384

630/1149 [=====>...] - ETA: 0s - loss: 0.0904Epoch 15/15

5/1149 [...] - ETA: 0s - loss: 0.1742  
 340/1148 [=====>...] - ETA: 0s - loss: 0.0798  
 1050/1149 [=====>...] - ETA: 0s - loss: 0.1530  
 750/1149 [=====>...] - ETA: 0s - loss: 0.1226  
 1130/1149 [=====>...] - ETA: 0s - loss: 0.1484  
 850/1149 [=====>...] - ETA: 0s - loss: 0.1556  
 1149/1149 [=====] - 1s 505us/step - loss: 0.1469  
 Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.0514  
 750/1149 [=====>...] - ETA: 0s - loss: 0.0945  
 1149/1149 [=====] - 1s 530us/step - loss: 0.1482  
 Epoch 8/15

5/1149 [...] - ETA: 0s - loss: 0.3998  
 120/1149 [==>...] - ETA: 0s - loss: 0.1088  
 455/1148 [=====>...] - ETA: 0s - loss: 0.0809  
 855/1149 [=====>...] - ETA: 0s - loss: 0.1323  
 910/1149 [=====>...] - ETA: 0s - loss: 0.1523  
 125/1149 [==>...] - ETA: 0s - loss: 0.1234  
 875/1149 [=====>...] - ETA: 0s - loss: 0.0959  
 120/1149 [==>...] - ETA: 0s - loss: 0.1622  
 220/1149 [=====>...] - ETA: 0s - loss: 0.1719  
 575/1148 [=====>...] - ETA: 0s - loss: 0.0820  
 955/1149 [=====>...] - ETA: 0s - loss: 0.1291

1070/1149 [=====>...] - ETA: 0s - loss: 0.1509  
240/1149 [=====>...] - ETA: 0s - loss: 0.1197  
980/1149 [=====>...] - ETA: 0s - loss: 0.1047  
230/1149 [=====>...] - ETA: 0s - loss: 0.1493  
320/1149 [=====>...] - ETA: 0s - loss: 0.1457  
675/1148 [=====>...] - ETA: 0s - loss: 0.0824  
1149/1149 [=====] - 1s 521us/step - loss: 0.1481  
Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.1145  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1281  
340/1149 [=====>...] - ETA: 0s - loss: 0.1329  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1085  
430/1149 [=====>...] - ETA: 0s - loss: 0.1484  
345/1149 [=====>...] - ETA: 0s - loss: 0.1431  
780/1148 [=====>...] - ETA: 0s - loss: 0.0800  
155/1149 [====>...] - ETA: 0s - loss: 0.1151  
1149/1149 [=====] - 1s 543us/step - loss: 0.1301  
  
1149/1149 [=====] - 1s 514us/step - loss: 0.1071  
Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.0446  
440/1149 [=====>...] - ETA: 0s - loss: 0.1547  
460/1149 [=====>...] - ETA: 0s - loss: 0.1359  
550/1149 [=====>...] - ETA: 0s - loss: 0.1423  
895/1148 [=====>...] - ETA: 0s - loss: 0.0791  
270/1149 [=====>...] - ETA: 0s - loss: 0.1140  
125/1149 [====>...] - ETA: 0s - loss: 0.1201  
540/1149 [=====>...] - ETA: 0s - loss: 0.1633  
575/1149 [=====>...] - ETA: 0s - loss: 0.1301  
665/1149 [=====>...] - ETA: 0s - loss: 0.1458  
1010/1148 [=====>...] - ETA: 0s - loss: 0.0788  
370/1149 [=====>...] - ETA: 0s - loss: 0.1395  
260/1149 [=====>...] - ETA: 0s - loss: 0.1243  
640/1149 [=====>...] - ETA: 0s - loss: 0.1554  
805/1149 [=====>...] - ETA: 0s - loss: 0.1392  
680/1149 [=====>...] - ETA: 0s - loss: 0.1283  
480/1149 [=====>...] - ETA: 0s - loss: 0.1339  
1148/1148 [=====] - 1s 539us/step - loss: 0.0820  
Epoch 8/20

5/1148 [...] - ETA: 0s - loss: 0.2766  
375/1149 [=====>...] - ETA: 0s - loss: 0.1414  
760/1149 [=====>...] - ETA: 0s - loss: 0.1453  
925/1149 [=====>...] - ETA: 0s - loss: 0.1381  
800/1149 [=====>...] - ETA: 0s - loss: 0.1258  
585/1149 [=====>...] - ETA: 0s - loss: 0.1258



145/1148 [==>...] - ETA: 0s - loss: 0.0886  
500/1149 [=====>...] - ETA: 0s - loss: 0.1244  
880/1149 [=====>...] - ETA: 0s - loss: 0.1447  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1324  
895/1149 [=====>...] - ETA: 0s - loss: 0.1264  
680/1149 [=====>...] - ETA: 0s - loss: 0.1243  
285/1148 [=====>...] - ETA: 0s - loss: 0.0809  
625/1149 [=====>...] - ETA: 0s - loss: 0.1449  
1149/1149 [=====] - 1s 435us/step - loss: 0.1362

1000/1149 [=====>...] - ETA: 0s - loss: 0.1399  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1289  
770/1149 [=====>...] - ETA: 0s - loss: 0.1241  
385/1148 [=====>...] - ETA: 0s - loss: 0.0823  
735/1149 [=====>...] - ETA: 0s - loss: 0.1433  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1366  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1446  
885/1149 [=====>...] - ETA: 0s - loss: 0.1224  
1149/1149 [=====] - 1s 460us/step - loss: 0.1349  
Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.2779  
480/1148 [=====>...] - ETA: 0s - loss: 0.0814  
845/1149 [=====>...] - ETA: 0s - loss: 0.1378  
1149/1149 [=====] - 1s 477us/step - loss: 0.1459  
Epoch 9/15

5/1149 [...] - ETA: 0s - loss: 0.1164  
1025/1149 [=====>...] - ETA: 0s - loss: 0.1256  
125/1149 [==>...] - ETA: 0s - loss: 0.1323  
570/1148 [=====>...] - ETA: 0s - loss: 0.0790  
960/1149 [=====>...] - ETA: 0s - loss: 0.1342  
160/1149 [==>...] - ETA: 0s - loss: 0.1451  
1149/1149 [=====] - 1s 435us/step - loss: 0.1396  
Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 0.1397Epoch 1/20

5/1149 [...] - ETA: 1:44 - loss: 2.1974  
655/1148 [=====>...] - ETA: 0s - loss: 0.0843  
250/1149 [=====>...] - ETA: 0s - loss: 0.1383  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1296  
305/1149 [=====>...] - ETA: 0s - loss: 0.1807  
130/1149 [==>...] - ETA: 0s - loss: 0.2196  
780/1148 [=====>...] - ETA: 0s - loss: 0.0838  
355/1149 [=====>...] - ETA: 0s - loss: 0.1308  
1149/1149 [=====] - 1s 436us/step - loss: 0.1290

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35/1149 [...] - ETA: 16s - loss: 0.8300 Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.0179
420/1149 [=====>...] - ETA: 0s - loss: 0.1781
250/1149 [=====>...] - ETA: 0s - loss: 0.1716
910/1148 [=====>...] - ETA: 0s - loss: 0.0821
460/1149 [=====>...] - ETA: 0s - loss: 0.1232
125/1149 [==>...] - ETA: 0s - loss: 0.0862
85/1149 [=>...] - ETA: 7s - loss: 0.7875
540/1149 [=====>...] - ETA: 0s - loss: 0.1648
385/1149 [=====>...] - ETA: 0s - loss: 0.1781
1040/1148 [=====>...] - ETA: 0s - loss: 0.0822
590/1149 [=====>...] - ETA: 0s - loss: 0.1187
250/1149 [=====>...] - ETA: 0s - loss: 0.1576
135/1149 [==>...] - ETA: 4s - loss: 0.9107
650/1149 [=====>...] - ETA: 0s - loss: 0.1569
515/1149 [=====>...] - ETA: 0s - loss: 0.1578
1140/1148 [=====>.] - ETA: 0s - loss: 0.0807
695/1149 [=====>...] - ETA: 0s - loss: 0.1160
365/1149 [=====>...] - ETA: 0s - loss: 0.1384
1148/1148 [=====] - 1s 450us/step - loss: 0.0815
Epoch 9/20

5/1148 [...] - ETA: 0s - loss: 0.0708
180/1149 [===>...] - ETA: 3s - loss: 0.9485
760/1149 [=====>...] - ETA: 0s - loss: 0.1513
640/1149 [=====>...] - ETA: 0s - loss: 0.1533
795/1149 [=====>...] - ETA: 0s - loss: 0.1122
460/1149 [=====>...] - ETA: 0s - loss: 0.1333
95/1148 [=>...] - ETA: 0s - loss: 0.0785
215/1149 [=====>...] - ETA: 3s - loss: 0.9284
850/1149 [=====>...] - ETA: 0s - loss: 0.1510
720/1149 [=====>...] - ETA: 0s - loss: 0.1507
865/1149 [=====>...] - ETA: 0s - loss: 0.1110
545/1149 [=====>...] - ETA: 0s - loss: 0.1348
175/1148 [===>...] - ETA: 0s - loss: 0.0703
940/1149 [=====>...] - ETA: 0s - loss: 0.1509
290/1149 [=====>...] - ETA: 2s - loss: 1.1159
810/1149 [=====>...] - ETA: 0s - loss: 0.1444
970/1149 [=====>...] - ETA: 0s - loss: 0.1239
645/1149 [=====>...] - ETA: 0s - loss: 0.1310
265/1148 [=====>...] - ETA: 0s - loss: 0.0723
1055/1149 [=====>...] - ETA: 0s - loss: 0.1479
390/1149 [=====>...] - ETA: 1s - loss: 1.0859
920/1149 [=====>...] - ETA: 0s - loss: 0.1399
1050/1149 [=====>...] - ETA: 0s - loss: 0.1210
755/1149 [=====>...] - ETA: 0s - loss: 0.1301
375/1148 [=====>...] - ETA: 0s - loss: 0.0661

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1140/1149 [=====>.] - ETA: 0s - loss: 0.1433  
480/1149 [=====>...] - ETA: 1s - loss: 0.9908  
1149/1149 [=====] - 1s 451us/step - loss: 0.1432  
Epoch 10/15

5/1149 [...] - ETA: 0s - loss: 0.0713  
990/1149 [=====>...] - ETA: 0s - loss: 0.1381  
1149/1149 [=====] - 1s 486us/step - loss: 0.1300  
Epoch 8/20

5/1149 [...] - ETA: 0s - loss: 0.0792  
885/1149 [=====>...] - ETA: 0s - loss: 0.1305  
495/1148 [=====>...] - ETA: 0s - loss: 0.0667  
545/1149 [=====>...] - ETA: 1s - loss: 0.9878  
110/1149 [=>...] - ETA: 0s - loss: 0.1274  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1349  
120/1149 [==>...] - ETA: 0s - loss: 0.0921  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1310  
620/1148 [=====>...] - ETA: 0s - loss: 0.0716  
595/1149 [=====>...] - ETA: 0s - loss: 1.0376  
1149/1149 [=====] - 1s 482us/step - loss: 0.1354  
Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.0891  
205/1149 [=====>...] - ETA: 0s - loss: 0.1167  
240/1149 [=====>...] - ETA: 0s - loss: 0.1151  
665/1148 [=====>...] - ETA: 0s - loss: 0.0728  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1323  
720/1149 [=====>...] - ETA: 0s - loss: 1.0256  
110/1149 [=>...] - ETA: 0s - loss: 0.1354  
315/1149 [=====>...] - ETA: 0s - loss: 0.1225  
330/1149 [=====>...] - ETA: 0s - loss: 0.1289  
690/1148 [=====>...] - ETA: 0s - loss: 0.0725  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1306  
815/1149 [=====>...] - ETA: 0s - loss: 1.0295  
220/1149 [=====>...] - ETA: 0s - loss: 0.1127  
420/1149 [=====>...] - ETA: 0s - loss: 0.1192  
440/1149 [=====>...] - ETA: 0s - loss: 0.1311  
1149/1149 [=====] - 1s 541us/step - loss: 0.1276  
Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.3433  
770/1148 [=====>...] - ETA: 0s - loss: 0.0792  
930/1149 [=====>...] - ETA: 0s - loss: 1.0330Epoch 1/20

5/1149 [...] - ETA: 1:34 - loss: 1.2763  
535/1149 [=====>...] - ETA: 0s - loss: 0.1192  
270/1149 [=====>...] - ETA: 0s - loss: 0.1117

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545/1149 [=====>...] - ETA: 0s - loss: 0.1226
120/1149 [==>...] - ETA: 0s - loss: 0.1085
880/1148 [=====>...] - ETA: 0s - loss: 0.0815
1045/1149 [=====>...] - ETA: 0s - loss: 1.0649
85/1149 [=>...] - ETA: 5s - loss: 1.0457
655/1149 [=====>...] - ETA: 0s - loss: 0.1270
320/1149 [=====>...] - ETA: 0s - loss: 0.1197
655/1149 [=====>...] - ETA: 0s - loss: 0.1305
235/1149 [=====>...] - ETA: 0s - loss: 0.1086
975/1148 [=====>...] - ETA: 0s - loss: 0.0802
1135/1149 [=====>.] - ETA: 0s - loss: 1.0778
405/1149 [=====>...] - ETA: 0s - loss: 0.1133
745/1149 [=====>...] - ETA: 0s - loss: 0.1278
1149/1149 [=====] - 1s 1ms/step - loss: 1.0733
Epoch 2/20

5/1149 [...] - ETA: 1s - loss: 0.8007
725/1149 [=====>...] - ETA: 0s - loss: 0.1279
320/1149 [=====>...] - ETA: 0s - loss: 0.1077
170/1149 [==>...] - ETA: 3s - loss: 1.3639
1110/1148 [=====>.] - ETA: 0s - loss: 0.0795Epoch 1/5

10/1148 [...] - ETA: 1:02 - loss: 0.4445
1148/1148 [=====] - 1s 559us/step - loss: 0.0808
Epoch 10/20

5/1148 [...] - ETA: 0s - loss: 0.1028
555/1149 [=====>...] - ETA: 0s - loss: 0.1127
855/1149 [=====>...] - ETA: 0s - loss: 0.1256
95/1149 [=>...] - ETA: 0s - loss: 0.7667
825/1149 [=====>...] - ETA: 0s - loss: 0.1337
260/1149 [=====>...] - ETA: 2s - loss: 1.2441
440/1149 [=====>...] - ETA: 0s - loss: 0.1084
130/1148 [==>...] - ETA: 0s - loss: 0.0678
965/1149 [=====>...] - ETA: 0s - loss: 0.1449
695/1149 [=====>...] - ETA: 0s - loss: 0.1119
190/1149 [==>...] - ETA: 0s - loss: 0.6365
60/1148 [>...] - ETA: 11s - loss: 0.3454
935/1149 [=====>...] - ETA: 0s - loss: 0.1299
540/1149 [=====>...] - ETA: 0s - loss: 0.1076
325/1149 [=====>...] - ETA: 1s - loss: 1.2204
235/1148 [=====>...] - ETA: 0s - loss: 0.0736
785/1149 [=====>...] - ETA: 0s - loss: 0.1132
1065/1149 [=====>...] - ETA: 0s - loss: 0.1431
325/1149 [=====>...] - ETA: 0s - loss: 0.6319
1035/1149 [=====>...] - ETA: 0s - loss: 0.1289
180/1148 [==>...] - ETA: 3s - loss: 0.3730
655/1149 [=====>...] - ETA: 0s - loss: 0.1173

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415/1149 [=====>...] - ETA: 1s - loss: 1.2143  
1149/1149 [=====>...] - 1s 485us/step - loss: 0.1418  
Epoch 11/15

5/1149 [...] - ETA: 0s - loss: 0.1309  
360/1148 [=====>...] - ETA: 0s - loss: 0.0781  
895/1149 [=====>...] - ETA: 0s - loss: 0.1275  
450/1149 [=====>...] - ETA: 0s - loss: 0.6839  
1130/1149 [=====>...] - ETA: 0s - loss: 0.1273  
1149/1149 [=====>...] - 1s 500us/step - loss: 0.1267

270/1148 [=====>...] - ETA: 2s - loss: 0.3884Epoch 9/20

5/1149 [...] - ETA: 0s - loss: 0.0716  
785/1149 [=====>...] - ETA: 0s - loss: 0.1159  
515/1149 [=====>...] - ETA: 0s - loss: 1.1572  
135/1149 [==>...] - ETA: 0s - loss: 0.1116  
480/1148 [=====>...] - ETA: 0s - loss: 0.0863  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1389  
560/1149 [=====>...] - ETA: 0s - loss: 0.7638  
135/1149 [==>...] - ETA: 0s - loss: 0.0848  
370/1148 [=====>...] - ETA: 1s - loss: 0.3645  
915/1149 [=====>...] - ETA: 0s - loss: 0.1143  
550/1149 [=====>...] - ETA: 0s - loss: 1.1426  
295/1149 [=====>...] - ETA: 0s - loss: 0.1144  
1149/1149 [=====>...] - 1s 495us/step - loss: 0.1344

620/1148 [=====>...] - ETA: 0s - loss: 0.0836Epoch 8/20

5/1149 [...] - ETA: 0s - loss: 0.0854  
665/1149 [=====>...] - ETA: 0s - loss: 0.7431  
235/1149 [=====>...] - ETA: 0s - loss: 0.1323  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1148  
370/1149 [=====>...] - ETA: 0s - loss: 0.1148  
80/1149 [=>...] - ETA: 0s - loss: 0.3572  
690/1148 [=====>...] - ETA: 0s - loss: 0.0825  
470/1148 [=====>...] - ETA: 1s - loss: 0.3622  
590/1149 [=====>...] - ETA: 0s - loss: 1.1203  
720/1149 [=====>...] - ETA: 0s - loss: 0.7771  
290/1149 [=====>...] - ETA: 0s - loss: 0.1278  
1065/1149 [=====>...] - ETA: 0s - loss: 0.1136  
420/1149 [=====>...] - ETA: 0s - loss: 0.1126  
115/1149 [==>...] - ETA: 0s - loss: 0.2908  
740/1148 [=====>...] - ETA: 0s - loss: 0.0823  
605/1149 [=====>...] - ETA: 0s - loss: 1.1161  
520/1148 [=====>...] - ETA: 1s - loss: 0.3586  
775/1149 [=====>...] - ETA: 0s - loss: 0.7607  
345/1149 [=====>...] - ETA: 0s - loss: 0.1412

1125/1149 [=====>.] - ETA: 0s - loss: 0.1271  
480/1149 [=====>...] - ETA: 0s - loss: 0.1341  
1149/1149 [=====] - 1s 510us/step - loss: 0.1267  
Epoch 13/15

5/1149 [...] - ETA: 0s - loss: 0.0813  
175/1149 [====>...] - ETA: 0s - loss: 0.2229  
815/1148 [=====>...] - ETA: 0s - loss: 0.0800  
635/1149 [=====>...] - ETA: 0s - loss: 1.0961  
570/1148 [=====>...] - ETA: 1s - loss: 0.3542  
840/1149 [=====>...] - ETA: 0s - loss: 0.7632  
410/1149 [=====>...] - ETA: 0s - loss: 0.1474  
515/1149 [=====>...] - ETA: 0s - loss: 0.1324  
70/1149 [>...] - ETA: 0s - loss: 0.3283  
235/1149 [=====>...] - ETA: 0s - loss: 0.1898  
880/1148 [=====>...] - ETA: 0s - loss: 0.0782  
725/1149 [=====>...] - ETA: 0s - loss: 1.0776  
720/1148 [=====>...] - ETA: 0s - loss: 0.3435  
905/1149 [=====>...] - ETA: 0s - loss: 0.7520  
485/1149 [=====>...] - ETA: 0s - loss: 0.1408  
305/1149 [=====>...] - ETA: 0s - loss: 0.1645  
145/1149 [==>...] - ETA: 0s - loss: 0.2624  
940/1148 [=====>...] - ETA: 0s - loss: 0.0794  
810/1149 [=====>...] - ETA: 0s - loss: 1.1046  
890/1148 [=====>...] - ETA: 0s - loss: 0.3344  
980/1149 [=====>...] - ETA: 0s - loss: 0.7232  
530/1149 [=====>...] - ETA: 0s - loss: 0.1302  
560/1149 [=====>...] - ETA: 0s - loss: 0.1370  
220/1149 [=====>...] - ETA: 0s - loss: 0.2036  
375/1149 [=====>...] - ETA: 0s - loss: 0.1451  
1015/1148 [=====>...] - ETA: 0s - loss: 0.0789  
890/1149 [=====>...] - ETA: 0s - loss: 1.0705  
1030/1148 [=====>...] - ETA: 0s - loss: 0.3167  
1055/1149 [=====>...] - ETA: 0s - loss: 0.7237  
600/1149 [=====>...] - ETA: 0s - loss: 0.1477  
640/1149 [=====>...] - ETA: 0s - loss: 0.1281  
1148/1148 [=====] - 1s 1ms/step - loss: 0.3108  
Epoch 2/5

10/1148 [...] - ETA: 0s - loss: 0.1205  
315/1149 [=====>...] - ETA: 0s - loss: 0.1786  
465/1149 [=====>...] - ETA: 0s - loss: 0.1432  
1115/1148 [=====>.] - ETA: 0s - loss: 0.0805  
975/1149 [=====>...] - ETA: 0s - loss: 1.0826  
1149/1149 [=====] - 1s 594us/step - loss: 0.7414  
Epoch 3/20

5/1149 [...] - ETA: 0s - loss: 1.0169

1148/1148 [=====] - 1s 563us/step - loss: 0.0806  
Epoch 11/20

5/1148 [...] - ETA: 0s - loss: 0.0344  
695/1149 [=====>...] - ETA: 0s - loss: 0.1527  
740/1149 [=====>...] - ETA: 0s - loss: 0.1322  
220/1148 [====>...] - ETA: 0s - loss: 0.1813  
430/1149 [=====>...] - ETA: 0s - loss: 0.1600  
575/1149 [=====>...] - ETA: 0s - loss: 0.1331  
1080/1149 [=====>..] - ETA: 0s - loss: 1.0733  
110/1149 [=>...] - ETA: 0s - loss: 0.6875  
825/1149 [=====>...] - ETA: 0s - loss: 0.1505  
120/1148 [==>...] - ETA: 0s - loss: 0.1095  
845/1149 [=====>...] - ETA: 0s - loss: 0.1286  
1149/1149 [=====] - 1s 1ms/step - loss: 1.0684  
Epoch 2/20

5/1149 [...] - ETA: 0s - loss: 0.4011  
490/1148 [=====>...] - ETA: 0s - loss: 0.1963  
530/1149 [=====>...] - ETA: 0s - loss: 0.1439  
680/1149 [=====>...] - ETA: 0s - loss: 0.1307  
220/1149 [====>...] - ETA: 0s - loss: 0.5464  
950/1149 [=====>...] - ETA: 0s - loss: 0.1258  
955/1149 [=====>...] - ETA: 0s - loss: 0.1494  
220/1148 [====>...] - ETA: 0s - loss: 0.1068  
115/1149 [==>...] - ETA: 0s - loss: 0.6407  
710/1148 [=====>...] - ETA: 0s - loss: 0.1927  
625/1149 [=====>...] - ETA: 0s - loss: 0.1363  
785/1149 [=====>...] - ETA: 0s - loss: 0.1269  
300/1149 [=====>...] - ETA: 0s - loss: 0.4816  
1025/1149 [=====>...] - ETA: 0s - loss: 0.1243  
1095/1149 [=====>..] - ETA: 0s - loss: 0.1423  
290/1148 [=====>...] - ETA: 0s - loss: 0.1021  
210/1149 [====>...] - ETA: 0s - loss: 0.6768  
880/1148 [=====>...] - ETA: 0s - loss: 0.1892  
690/1149 [=====>...] - ETA: 0s - loss: 0.1317  
1149/1149 [=====] - 1s 597us/step - loss: 0.1393

870/1149 [=====>...] - ETA: 0s - loss: 0.1376Epoch 12/15

5/1149 [...] - ETA: 0s - loss: 0.1034  
390/1149 [=====>...] - ETA: 0s - loss: 0.5012  
1130/1149 [=====>..] - ETA: 0s - loss: 0.1223  
390/1148 [=====>...] - ETA: 0s - loss: 0.1006  
1149/1149 [=====] - 1s 597us/step - loss: 0.1253  
Epoch 10/20

5/1149 [...] - ETA: 0s - loss: 0.1141

325/1149 [=====>...] - ETA: 0s - loss: 0.7167  
1100/1148 [=====>...] - ETA: 0s - loss: 0.1797  
805/1149 [=====>...] - ETA: 0s - loss: 0.1282  
975/1149 [=====>...] - ETA: 0s - loss: 0.1374  
110/1149 [=>...] - ETA: 0s - loss: 0.0883  
1148/1148 [=====>...] - 0s 234us/step - loss: 0.1818  
Epoch 3/5

10/1148 [...] - ETA: 0s - loss: 0.2196  
485/1149 [=====>...] - ETA: 0s - loss: 0.4849  
490/1148 [=====>...] - ETA: 0s - loss: 0.0931  
115/1149 [==>...] - ETA: 0s - loss: 0.1061  
425/1149 [=====>...] - ETA: 0s - loss: 0.7494  
910/1149 [=====>...] - ETA: 0s - loss: 0.1218  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1319  
210/1149 [=====>...] - ETA: 0s - loss: 0.0933  
250/1148 [=====>...] - ETA: 0s - loss: 0.1466  
595/1149 [=====>...] - ETA: 0s - loss: 0.4894  
610/1148 [=====>...] - ETA: 0s - loss: 0.0886  
1149/1149 [=====>...] - 1s 617us/step - loss: 0.1303

220/1149 [=====>...] - ETA: 0s - loss: 0.1010Epoch 9/20

5/1149 [...] - ETA: 0s - loss: 0.2516  
530/1149 [=====>...] - ETA: 0s - loss: 0.7441  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1265  
300/1149 [=====>...] - ETA: 0s - loss: 0.1126  
470/1148 [=====>...] - ETA: 0s - loss: 0.1350  
695/1149 [=====>...] - ETA: 0s - loss: 0.4873  
740/1148 [=====>...] - ETA: 0s - loss: 0.0849  
320/1149 [=====>...] - ETA: 0s - loss: 0.1153  
110/1149 [=>...] - ETA: 0s - loss: 0.1070  
645/1149 [=====>...] - ETA: 0s - loss: 0.8021  
1130/1149 [=====>...] - ETA: 0s - loss: 0.1249  
400/1149 [=====>...] - ETA: 0s - loss: 0.1179  
1149/1149 [=====>...] - 1s 550us/step - loss: 0.1261

680/1148 [=====>...] - ETA: 0s - loss: 0.1335Epoch 14/15

5/1149 [...] - ETA: 0s - loss: 0.1085  
805/1149 [=====>...] - ETA: 0s - loss: 0.4775  
870/1148 [=====>...] - ETA: 0s - loss: 0.0818  
425/1149 [=====>...] - ETA: 0s - loss: 0.1058  
205/1149 [=====>...] - ETA: 0s - loss: 0.1187  
755/1149 [=====>...] - ETA: 0s - loss: 0.8612  
500/1149 [=====>...] - ETA: 0s - loss: 0.1277  
870/1148 [=====>...] - ETA: 0s - loss: 0.1291  
115/1149 [==>...] - ETA: 0s - loss: 0.0846



925/1149 [=====>...] - ETA: 0s - loss: 0.4826  
 965/1148 [=====>...] - ETA: 0s - loss: 0.0813  
 325/1149 [=====>...] - ETA: 0s - loss: 0.1769  
 535/1149 [=====>...] - ETA: 0s - loss: 0.1218  
 860/1149 [=====>...] - ETA: 0s - loss: 0.9012  
 615/1149 [=====>...] - ETA: 0s - loss: 0.1230  
 1090/1148 [=====>..] - ETA: 0s - loss: 0.1316  
 245/1149 [=====>...] - ETA: 0s - loss: 0.0925  
 1040/1149 [=====>...] - ETA: 0s - loss: 0.4565  
 1148/1148 [=====] - 0s 237us/step - loss: 0.1294  
 Epoch 4/5

10/1148 [...] - ETA: 0s - loss: 0.1023  
 1055/1148 [=====>...] - ETA: 0s - loss: 0.0816  
 455/1149 [=====>...] - ETA: 0s - loss: 0.1583  
 645/1149 [=====>...] - ETA: 0s - loss: 0.1202  
 955/1149 [=====>...] - ETA: 0s - loss: 0.9277  
 730/1149 [=====>...] - ETA: 0s - loss: 0.1196  
 375/1149 [=====>...] - ETA: 0s - loss: 0.0960  
 1149/1149 [=====] - 1s 491us/step - loss: 0.4378  
 Epoch 4/20

5/1149 [...] - ETA: 0s - loss: 0.5886  
 1148/1148 [=====] - 1s 488us/step - loss: 0.0800  
 Epoch 12/20

5/1148 [...] - ETA: 0s - loss: 0.0186  
 220/1148 [=====>...] - ETA: 0s - loss: 0.1185  
 565/1149 [=====>...] - ETA: 0s - loss: 0.1461  
 760/1149 [=====>...] - ETA: 0s - loss: 0.1292  
 1080/1149 [=====>..] - ETA: 0s - loss: 0.9167  
 845/1149 [=====>...] - ETA: 0s - loss: 0.1289  
 480/1149 [=====>...] - ETA: 0s - loss: 0.0970  
 110/1149 [=>...] - ETA: 0s - loss: 0.3450  
 140/1148 [==>...] - ETA: 0s - loss: 0.0732  
 1149/1149 [=====] - 1s 475us/step - loss: 0.8944  
 Epoch 3/20

5/1149 [...] - ETA: 0s - loss: 0.4540  
 430/1148 [=====>...] - ETA: 0s - loss: 0.1248  
 670/1149 [=====>...] - ETA: 0s - loss: 0.1391  
 865/1149 [=====>...] - ETA: 0s - loss: 0.1249  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1269  
 575/1149 [=====>...] - ETA: 0s - loss: 0.1120  
 270/1148 [=====>...] - ETA: 0s - loss: 0.0789  
 215/1149 [=====>...] - ETA: 0s - loss: 0.3464  
 130/1149 [==>...] - ETA: 0s - loss: 1.1451  
 660/1148 [=====>...] - ETA: 0s - loss: 0.1114

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790/1149 [=====>...] - ETA: 0s - loss: 0.1436
975/1149 [=====>...] - ETA: 0s - loss: 0.1214
1095/1149 [=====>...] - ETA: 0s - loss: 0.1373
690/1149 [=====>...] - ETA: 0s - loss: 0.1117
360/1148 [=====>...] - ETA: 0s - loss: 0.0898
320/1149 [=====>...] - ETA: 0s - loss: 0.3108
240/1149 [=====>...] - ETA: 0s - loss: 1.0226
1149/1149 [=====] - 1s 465us/step - loss: 0.1382
Epoch 13/15

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5/1149 [...] - ETA: 0s - loss: 0.0101
930/1148 [=====>...] - ETA: 0s - loss: 0.1087
885/1149 [=====>...] - ETA: 0s - loss: 0.1349
1100/1149 [=====>...] - ETA: 0s - loss: 0.1236
820/1149 [=====>...] - ETA: 0s - loss: 0.1099
1149/1149 [=====] - 1s 472us/step - loss: 0.1227

1148/1148 [=====] - 0s 216us/step - loss: 0.1065

460/1148 [=====>...] - ETA: 0s - loss: 0.0915Epoch 11/20

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5/1149 [...] - ETA: 0s - loss: 0.0378Epoch 5/5

10/1148 [...] - ETA: 0s - loss: 0.1506
410/1149 [=====>...] - ETA: 0s - loss: 0.3492
355/1149 [=====>...] - ETA: 0s - loss: 0.9506
125/1149 [==>...] - ETA: 0s - loss: 0.1055
995/1149 [=====>...] - ETA: 0s - loss: 0.1340
920/1149 [=====>...] - ETA: 0s - loss: 0.1111
555/1148 [=====>...] - ETA: 0s - loss: 0.0857
105/1149 [=>...] - ETA: 0s - loss: 0.0857
240/1148 [=====>...] - ETA: 0s - loss: 0.0856
515/1149 [=====>...] - ETA: 0s - loss: 0.3126
480/1149 [=====>...] - ETA: 0s - loss: 0.9370
230/1149 [=====>...] - ETA: 0s - loss: 0.1052
1125/1149 [=====>...] - ETA: 0s - loss: 0.1297
1149/1149 [=====] - 1s 457us/step - loss: 0.1297
Epoch 10/20

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5/1149 [...] - ETA: 0s - loss: 0.1060
1015/1149 [=====>...] - ETA: 0s - loss: 0.1103
660/1148 [=====>...] - ETA: 0s - loss: 0.0835
440/1148 [=====>...] - ETA: 0s - loss: 0.1076
215/1149 [=====>...] - ETA: 0s - loss: 0.1109
650/1149 [=====>...] - ETA: 0s - loss: 0.3065
595/1149 [=====>...] - ETA: 0s - loss: 0.9093
340/1149 [=====>...] - ETA: 0s - loss: 0.1227
135/1149 [==>...] - ETA: 0s - loss: 0.1025

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1110/1149 [=====>..] - ETA: 0s - loss: 0.1113
775/1148 [=====>...] - ETA: 0s - loss: 0.0834
660/1148 [=====>...] - ETA: 0s - loss: 0.1006
315/1149 [=====>...] - ETA: 0s - loss: 0.1067
775/1149 [=====>...] - ETA: 0s - loss: 0.2875
1149/1149 [=====] - 1s 460us/step - loss: 0.1252

710/1149 [=====>...] - ETA: 0s - loss: 0.8337Epoch 15/15

5/1149 [...] - ETA: 0s - loss: 0.0388
450/1149 [=====>...] - ETA: 0s - loss: 0.1240
235/1149 [=====>...] - ETA: 0s - loss: 0.1074
895/1148 [=====>...] - ETA: 0s - loss: 0.0818
950/1148 [=====>...] - ETA: 0s - loss: 0.0989
435/1149 [=====>...] - ETA: 0s - loss: 0.0990
885/1149 [=====>...] - ETA: 0s - loss: 0.2850
805/1149 [=====>...] - ETA: 0s - loss: 0.8194
120/1149 [==>...] - ETA: 0s - loss: 0.1115
570/1149 [=====>...] - ETA: 0s - loss: 0.1338
1148/1148 [=====] - 0s 208us/step - loss: 0.0952

320/1149 [=====>...] - ETA: 0s - loss: 0.1356
995/1148 [=====>...] - ETA: 0s - loss: 0.0808
565/1149 [=====>...] - ETA: 0s - loss: 0.1116
975/1149 [=====>...] - ETA: 0s - loss: 0.2723
265/1149 [=====>...] - ETA: 0s - loss: 0.1103
905/1149 [=====>...] - ETA: 0s - loss: 0.7758
690/1149 [=====>...] - ETA: 0s - loss: 0.1335
430/1149 [=====>...] - ETA: 0s - loss: 0.1285
1110/1148 [=====>..] - ETA: 0s - loss: 0.0802
675/1149 [=====>...] - ETA: 0s - loss: 0.1087
1110/1149 [=====>..] - ETA: 0s - loss: 0.2635
365/1149 [=====>...] - ETA: 0s - loss: 0.1166
795/1149 [=====>...] - ETA: 0s - loss: 0.1471
1035/1149 [=====>...] - ETA: 0s - loss: 0.7192
1148/1148 [=====] - 1s 458us/step - loss: 0.0799
Epoch 13/20

5/1148 [...] - ETA: 0s - loss: 0.0293
1149/1149 [=====] - 1s 462us/step - loss: 0.2672
Epoch 5/20

5/1149 [...] - ETA: 0s - loss: 0.3116
560/1149 [=====>...] - ETA: 0s - loss: 0.1236
1149/1149 [=====] - 1s 444us/step - loss: 0.7598

780/1149 [=====>...] - ETA: 0s - loss: 0.1153Epoch 4/20

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5/1149 [...] - ETA: 0s - loss: 0.0767
475/1149 [=====>...] - ETA: 0s - loss: 0.1485
895/1149 [=====>...] - ETA: 0s - loss: 0.1447
120/1148 [==>...] - ETA: 0s - loss: 0.0565
125/1149 [==>...] - ETA: 0s - loss: 0.2386
660/1149 [=====>...] - ETA: 0s - loss: 0.1179
875/1149 [=====>...] - ETA: 0s - loss: 0.1119
105/1149 [=>...] - ETA: 0s - loss: 1.2110
560/1149 [=====>...] - ETA: 0s - loss: 0.1456
1000/1149 [=====>...] - ETA: 0s - loss: 0.1433
210/1148 [====>...] - ETA: 0s - loss: 0.0665
230/1149 [====>...] - ETA: 0s - loss: 0.2135
765/1149 [=====>...] - ETA: 0s - loss: 0.1183
990/1149 [=====>...] - ETA: 0s - loss: 0.1142
685/1149 [=====>...] - ETA: 0s - loss: 0.1480
185/1149 [==>...] - ETA: 0s - loss: 0.8906
1110/1149 [=====>...] - ETA: 0s - loss: 0.1393
330/1148 [====>...] - ETA: 0s - loss: 0.0698
330/1149 [====>...] - ETA: 0s - loss: 0.1926
1149/1149 [=====] - 1s 463us/step - loss: 0.1373
Epoch 14/15

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5/1149 [...] - ETA: 0s - loss: 0.0812
860/1149 [=====>...] - ETA: 0s - loss: 0.1184
1120/1149 [=====>...] - ETA: 0s - loss: 0.1214
805/1149 [=====>...] - ETA: 0s - loss: 0.1416
240/1149 [====>...] - ETA: 0s - loss: 0.8176
420/1148 [====>...] - ETA: 0s - loss: 0.0735
435/1149 [====>...] - ETA: 0s - loss: 0.1982
1149/1149 [=====] - 1s 470us/step - loss: 0.1219

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120/1149 [==>...] - ETA: 0s - loss: 0.1120Epoch 12/20

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5/1149 [...] - ETA: 1s - loss: 0.0178
990/1149 [=====>...] - ETA: 0s - loss: 0.1156
925/1149 [=====>...] - ETA: 0s - loss: 0.1339
365/1149 [=====>...] - ETA: 0s - loss: 0.7895
535/1148 [=====>...] - ETA: 0s - loss: 0.0747
555/1149 [=====>...] - ETA: 0s - loss: 0.2044
225/1149 [====>...] - ETA: 0s - loss: 0.1081
65/1149 [>...] - ETA: 0s - loss: 0.1741
1125/1149 [=====>...] - ETA: 0s - loss: 0.1308
1149/1149 [=====] - 1s 461us/step - loss: 0.1298
Epoch 11/20

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5/1149 [...] - ETA: 0s - loss: 0.2740
1020/1149 [=====>...] - ETA: 0s - loss: 0.1293
475/1149 [=====>...] - ETA: 0s - loss: 0.7481

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640/1148 [=====>...] - ETA: 0s - loss: 0.0732
640/1149 [=====>...] - ETA: 0s - loss: 0.2081
 80/1149 [=>...] - ETA: 1s - loss: 0.2020
300/1149 [=====>...] - ETA: 0s - loss: 0.1030
1065/1149 [=====>...] - ETA: 0s - loss: 0.1287
 35/1149 [...] - ETA: 2s - loss: 0.1480
690/1148 [=====>...] - ETA: 0s - loss: 0.0735
525/1149 [=====>...] - ETA: 0s - loss: 0.7487
695/1149 [=====>...] - ETA: 0s - loss: 0.2017
145/1149 [==>...] - ETA: 1s - loss: 0.1552
355/1149 [=====>...] - ETA: 0s - loss: 0.1278
1149/1149 [=====] - 1s 485us/step - loss: 0.1259

110/1149 [=>...] - ETA: 1s - loss: 0.1391
645/1149 [=====>...] - ETA: 0s - loss: 0.6950
810/1148 [=====>...] - ETA: 0s - loss: 0.0714
810/1149 [=====>...] - ETA: 0s - loss: 0.1914
275/1149 [=====>...] - ETA: 0s - loss: 0.1358
470/1149 [=====>...] - ETA: 0s - loss: 0.1337
215/1149 [=====>...] - ETA: 0s - loss: 0.1606
775/1149 [=====>...] - ETA: 0s - loss: 0.6948
920/1148 [=====>...] - ETA: 0s - loss: 0.0749
925/1149 [=====>...] - ETA: 0s - loss: 0.1963
405/1149 [=====>...] - ETA: 0s - loss: 0.1305
575/1149 [=====>...] - ETA: 0s - loss: 0.1556
380/1149 [=====>...] - ETA: 0s - loss: 0.1769
875/1149 [=====>...] - ETA: 0s - loss: 0.6961
1030/1148 [=====>...] - ETA: 0s - loss: 0.0806
1045/1149 [=====>...] - ETA: 0s - loss: 0.1908
 540/1149 [=====>...] - ETA: 0s - loss: 0.1291
 680/1149 [=====>...] - ETA: 0s - loss: 0.1454
 540/1149 [=====>...] - ETA: 0s - loss: 0.1583
1148/1148 [=====] - 1s 492us/step - loss: 0.0797

1000/1149 [=====>...] - ETA: 0s - loss: 0.6915Epoch 14/20

  5/1148 [...] - ETA: 0s - loss: 0.0890
1149/1149 [=====] - 1s 496us/step - loss: 0.1921
Epoch 6/20

  5/1149 [...] - ETA: 0s - loss: 0.0827
665/1149 [=====>...] - ETA: 0s - loss: 0.1370
795/1149 [=====>...] - ETA: 0s - loss: 0.1426
635/1149 [=====>...] - ETA: 0s - loss: 0.1478
1135/1149 [=====>.] - ETA: 0s - loss: 0.6705
  85/1148 [=>...] - ETA: 0s - loss: 0.0670
1149/1149 [=====] - 1s 509us/step - loss: 0.6677
Epoch 5/20

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5/1149 [...] - ETA: 0s - loss: 0.4672
140/1149 [==>...] - ETA: 0s - loss: 0.1394
795/1149 [=====>...] - ETA: 0s - loss: 0.1274
915/1149 [=====>...] - ETA: 0s - loss: 0.1392
705/1149 [=====>...] - ETA: 0s - loss: 0.1408
165/1148 [==>...] - ETA: 0s - loss: 0.0704
140/1149 [==>...] - ETA: 0s - loss: 0.7322
275/1149 [=====>...] - ETA: 0s - loss: 0.1787
940/1149 [=====>...] - ETA: 0s - loss: 0.1249Epoch 1/5

10/1149 [...] - ETA: 48s - loss: 1.4421
1035/1149 [=====>...] - ETA: 0s - loss: 0.1370
815/1149 [=====>...] - ETA: 0s - loss: 0.1404
290/1148 [=====>...] - ETA: 0s - loss: 0.0899
250/1149 [=====>...] - ETA: 0s - loss: 0.6589
365/1149 [=====>...] - ETA: 0s - loss: 0.1817
80/1149 [=>...] - ETA: 6s - loss: 1.3823
1055/1149 [=====>...] - ETA: 0s - loss: 0.1207
1145/1149 [=====>.] - ETA: 0s - loss: 0.1333
1149/1149 [=====] - 1s 501us/step - loss: 0.1348
Epoch 15/15

5/1149 [...] - ETA: 0s - loss: 0.0595
975/1149 [=====>...] - ETA: 0s - loss: 0.1330
440/1148 [=====>...] - ETA: 0s - loss: 0.0842
355/1149 [=====>...] - ETA: 0s - loss: 0.5679
1149/1149 [=====] - 1s 489us/step - loss: 0.1205

470/1149 [=====>...] - ETA: 0s - loss: 0.1769Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.0542
100/1149 [=>...] - ETA: 5s - loss: 1.4003
100/1149 [=>...] - ETA: 0s - loss: 0.1051
1115/1149 [=====>.] - ETA: 0s - loss: 0.1284
580/1148 [=====>...] - ETA: 0s - loss: 0.0821
480/1149 [=====>...] - ETA: 0s - loss: 0.5731
580/1149 [=====>...] - ETA: 0s - loss: 0.1696
130/1149 [==>...] - ETA: 0s - loss: 0.1212
1149/1149 [=====] - 1s 472us/step - loss: 0.1274
Epoch 12/20

5/1149 [...] - ETA: 0s - loss: 0.0620
200/1149 [====>...] - ETA: 2s - loss: 1.2165
195/1149 [====>...] - ETA: 0s - loss: 0.1111
695/1148 [=====>...] - ETA: 0s - loss: 0.0813
595/1149 [=====>...] - ETA: 0s - loss: 0.5813
695/1149 [=====>...] - ETA: 0s - loss: 0.1609

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250/1149 [====>...] - ETA: 0s - loss: 0.1089  
 135/1149 [==>...] - ETA: 0s - loss: 0.1224  
 340/1149 [=====>...] - ETA: 1s - loss: 1.1636  
 315/1149 [=====>...] - ETA: 0s - loss: 0.1042  
 795/1148 [=====>...] - ETA: 0s - loss: 0.0813  
 715/1149 [=====>...] - ETA: 0s - loss: 0.6112  
 825/1149 [=====>...] - ETA: 0s - loss: 0.1505  
 375/1149 [=====>...] - ETA: 0s - loss: 0.1208  
 260/1149 [====>...] - ETA: 0s - loss: 0.1068  
 450/1149 [=====>...] - ETA: 0s - loss: 0.1542  
 430/1149 [=====>...] - ETA: 1s - loss: 1.1362  
 915/1148 [=====>...] - ETA: 0s - loss: 0.0797  
 825/1149 [=====>...] - ETA: 0s - loss: 0.6140  
 955/1149 [=====>...] - ETA: 0s - loss: 0.1490  
 500/1149 [=====>...] - ETA: 0s - loss: 0.1129  
 405/1149 [=====>...] - ETA: 0s - loss: 0.1073  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1657  
 520/1149 [=====>...] - ETA: 0s - loss: 1.2140  
 1035/1148 [=====>...] - ETA: 0s - loss: 0.0784  
 925/1149 [=====>...] - ETA: 0s - loss: 0.6158  
 1075/1149 [=====>...] - ETA: 0s - loss: 0.1462  
 600/1149 [=====>...] - ETA: 0s - loss: 0.1132  
 515/1149 [=====>...] - ETA: 0s - loss: 0.1043  
 860/1149 [=====>...] - ETA: 0s - loss: 1.2333  
 655/1149 [=====>...] - ETA: 0s - loss: 0.1535  
 1125/1148 [=====>...] - ETA: 0s - loss: 0.0796  
 995/1149 [=====>...] - ETA: 0s - loss: 0.5999  
 1149/1149 [=====] - 1s 443us/step - loss: 0.1491  
 Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.1133  
 680/1149 [=====>...] - ETA: 0s - loss: 0.1123  
 590/1149 [=====>...] - ETA: 0s - loss: 0.0993  
 1149/1149 [=====] - 1s 728us/step - loss: 1.1672  
 1148/1148 [=====] - 1s 463us/step - loss: 0.0791  
 Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 1.2526Epoch 15/20

5/1148 [...] - ETA: 0s - loss: 0.1454  
 745/1149 [=====>...] - ETA: 0s - loss: 0.1466  
 1110/1149 [=====>...] - ETA: 0s - loss: 0.5926  
 110/1149 [=>...] - ETA: 0s - loss: 0.1230  
 790/1149 [=====>...] - ETA: 0s - loss: 0.1145  
 705/1149 [=====>...] - ETA: 0s - loss: 0.1007  
 270/1149 [====>...] - ETA: 0s - loss: 1.1984  
 125/1148 [==>...] - ETA: 0s - loss: 0.0869

1149/1149 [=====] - 1s 460us/step - loss: 0.5914  
Epoch 6/20

5/1149 [...] - ETA: 0s - loss: 1.0655  
840/1149 [=====>...] - ETA: 0s - loss: 0.1400Epoch 1/5  
  
10/1149 [...] - ETA: 37s - loss: 0.6487  
210/1149 [=====>...] - ETA: 0s - loss: 0.1030  
910/1149 [=====>...] - ETA: 0s - loss: 0.1207  
830/1149 [=====>...] - ETA: 0s - loss: 0.1252  
225/1148 [=====>...] - ETA: 0s - loss: 0.0771  
945/1149 [=====>...] - ETA: 0s - loss: 0.1374  
130/1149 [==>...] - ETA: 0s - loss: 0.4745  
510/1149 [=====>...] - ETA: 0s - loss: 1.0836  
325/1149 [=====>...] - ETA: 0s - loss: 0.1025  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1213  
90/1149 [=>...] - ETA: 4s - loss: 0.7897  
950/1149 [=====>...] - ETA: 0s - loss: 0.1310  
340/1148 [=====>...] - ETA: 0s - loss: 0.0744  
1085/1149 [=====>...] - ETA: 0s - loss: 0.1322  
240/1149 [=====>...] - ETA: 0s - loss: 0.5368  
750/1149 [=====>...] - ETA: 0s - loss: 1.0776  
1149/1149 [=====] - 1s 472us/step - loss: 0.1339  
  
450/1149 [=====>...] - ETA: 0s - loss: 0.1189  
1135/1149 [=====>...] - ETA: 0s - loss: 0.1177  
1055/1149 [=====>...] - ETA: 0s - loss: 0.1292  
130/1149 [==>...] - ETA: 3s - loss: 0.7895  
455/1148 [=====>...] - ETA: 0s - loss: 0.0731  
1149/1149 [=====] - 1s 459us/step - loss: 0.1191

350/1149 [=====>...] - ETA: 0s - loss: 0.5278Epoch 14/20

5/1149 [...] - ETA: 0s - loss: 0.0243  
1030/1149 [=====>...] - ETA: 0s - loss: 1.0555  
540/1149 [=====>...] - ETA: 0s - loss: 0.1167  
1135/1149 [=====>...] - ETA: 0s - loss: 0.1281  
575/1148 [=====>...] - ETA: 0s - loss: 0.0722  
470/1149 [=====>...] - ETA: 0s - loss: 0.4636  
1149/1149 [=====] - 0s 230us/step - loss: 1.0052

1149/1149 [=====] - 1s 458us/step - loss: 0.1276  
Epoch 3/5

10/1149 [...] - ETA: 0s - loss: 1.3408  
85/1149 [=>...] - ETA: 0s - loss: 0.1339Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.0431



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180/1149 [===>...] - ETA: 2s - loss: 0.7938
645/1149 [=====>...] - ETA: 0s - loss: 0.1175
690/1148 [=====>...] - ETA: 0s - loss: 0.0752
600/1149 [=====>...] - ETA: 0s - loss: 0.4654
260/1149 [=====>...] - ETA: 0s - loss: 1.0616
125/1149 [==>...] - ETA: 0s - loss: 0.1084
215/1149 [====>...] - ETA: 0s - loss: 0.1138
290/1149 [=====>...] - ETA: 1s - loss: 0.8583
720/1149 [=====>...] - ETA: 0s - loss: 0.1256
805/1148 [=====>...] - ETA: 0s - loss: 0.0783
720/1149 [=====>...] - ETA: 0s - loss: 0.4923
440/1149 [=====>...] - ETA: 0s - loss: 0.9656
225/1149 [=====>...] - ETA: 0s - loss: 0.1047
310/1149 [=====>...] - ETA: 0s - loss: 0.1314
430/1149 [=====>...] - ETA: 1s - loss: 1.0333
845/1149 [=====>...] - ETA: 0s - loss: 0.1361
900/1148 [=====>...] - ETA: 0s - loss: 0.0800
670/1149 [=====>...] - ETA: 0s - loss: 0.8612
835/1149 [=====>...] - ETA: 0s - loss: 0.4693
360/1149 [=====>...] - ETA: 0s - loss: 0.1001
435/1149 [=====>...] - ETA: 0s - loss: 0.1146
590/1149 [=====>...] - ETA: 0s - loss: 1.1770
980/1149 [=====>...] - ETA: 0s - loss: 0.1326
1000/1148 [=====>...] - ETA: 0s - loss: 0.0782
920/1149 [=====>...] - ETA: 0s - loss: 0.7655
930/1149 [=====>...] - ETA: 0s - loss: 0.4934
515/1149 [=====>...] - ETA: 0s - loss: 0.0973
575/1149 [=====>...] - ETA: 0s - loss: 0.1123
1105/1149 [=====>..] - ETA: 0s - loss: 0.1327
710/1149 [=====>...] - ETA: 0s - loss: 1.1549
1095/1148 [=====>..] - ETA: 0s - loss: 0.0777
1149/1149 [=====] - 0s 223us/step - loss: 0.7690
Epoch 4/5

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10/1149 [...] - ETA: 0s - loss: 0.2161
1025/1149 [=====>...] - ETA: 0s - loss: 0.5278
625/1149 [=====>...] - ETA: 0s - loss: 0.1035
670/1149 [=====>...] - ETA: 0s - loss: 0.1118
1149/1149 [=====] - 1s 471us/step - loss: 0.1320
Epoch 8/20

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5/1149 [...] - ETA: 0s - loss: 0.1638
1148/1148 [=====] - 1s 470us/step - loss: 0.0789
Epoch 16/20

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5/1148 [...] - ETA: 0s - loss: 0.0340
790/1149 [=====>...] - ETA: 0s - loss: 1.1794
250/1149 [=====>...] - ETA: 0s - loss: 0.6156

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725/1149 [=====>...] - ETA: 0s - loss: 0.1039  
1145/1149 [=====>.] - ETA: 0s - loss: 0.5304  
775/1149 [=====>...] - ETA: 0s - loss: 0.1102  
1149/1149 [=====] - 1s 453us/step - loss: 0.5287  
Epoch 7/20

5/1149 [...] - ETA: 0s - loss: 0.6392  
125/1149 [==>...] - ETA: 0s - loss: 0.1175  
125/1148 [==>...] - ETA: 0s - loss: 0.0838  
910/1149 [=====>...] - ETA: 0s - loss: 1.1850  
470/1149 [=====>...] - ETA: 0s - loss: 0.5853  
820/1149 [=====>...] - ETA: 0s - loss: 0.1126  
905/1149 [=====>...] - ETA: 0s - loss: 0.1078  
115/1149 [==>...] - ETA: 0s - loss: 0.6546  
1149/1149 [=====] - 1s 768us/step - loss: 1.1662

225/1149 [====>...] - ETA: 0s - loss: 0.1033Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 0.3729  
215/1148 [====>...] - ETA: 0s - loss: 0.0779  
640/1149 [=====>...] - ETA: 0s - loss: 0.6377  
910/1149 [=====>...] - ETA: 0s - loss: 0.1114  
1045/1149 [=====>...] - ETA: 0s - loss: 0.1195  
265/1149 [====>...] - ETA: 0s - loss: 0.5902  
315/1149 [=====>...] - ETA: 0s - loss: 0.1344  
390/1149 [=====>...] - ETA: 0s - loss: 0.9621  
295/1148 [====>...] - ETA: 0s - loss: 0.0757  
1149/1149 [=====] - 1s 443us/step - loss: 0.1184  
Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.1415  
790/1149 [=====>...] - ETA: 0s - loss: 0.6176  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1106  
370/1149 [=====>...] - ETA: 0s - loss: 0.5241  
420/1149 [=====>...] - ETA: 0s - loss: 0.1229  
680/1149 [=====>...] - ETA: 0s - loss: 1.0108  
410/1148 [=====>...] - ETA: 0s - loss: 0.0718  
1080/1149 [=====>..] - ETA: 0s - loss: 0.5537  
70/1149 [>...] - ETA: 0s - loss: 0.1038  
1125/1149 [=====>.] - ETA: 0s - loss: 0.1254  
450/1149 [=====>...] - ETA: 0s - loss: 0.4861  
1149/1149 [=====] - 1s 454us/step - loss: 0.1252

560/1149 [=====>...] - ETA: 0s - loss: 0.1223Epoch 14/20

5/1149 [...] - ETA: 0s - loss: 0.0406  
1149/1149 [=====] - 0s 236us/step - loss: 0.5502  
Epoch 5/5

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10/1149 [...] - ETA: 0s - loss: 0.3155
860/1149 [=====>...] - ETA: 0s - loss: 1.0501
510/1148 [=====>...] - ETA: 0s - loss: 0.0825
165/1149 [====>...] - ETA: 0s - loss: 0.1410
550/1149 [=====>...] - ETA: 0s - loss: 0.4673
685/1149 [=====>...] - ETA: 0s - loss: 0.1232
135/1149 [==>...] - ETA: 0s - loss: 0.1559
260/1149 [=====>...] - ETA: 0s - loss: 0.4471
1050/1149 [=====>...] - ETA: 0s - loss: 1.0810
640/1148 [=====>...] - ETA: 0s - loss: 0.0775
1149/1149 [=====] - 0s 202us/step - loss: 1.0554
Epoch 3/5

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10/1149 [...] - ETA: 0s - loss: 1.6982
275/1149 [=====>...] - ETA: 0s - loss: 0.1228
660/1149 [=====>...] - ETA: 0s - loss: 0.4902
760/1149 [=====>...] - ETA: 0s - loss: 0.1250
520/1149 [=====>...] - ETA: 0s - loss: 0.4011
200/1149 [====>...] - ETA: 0s - loss: 0.1343
770/1148 [=====>...] - ETA: 0s - loss: 0.0784
270/1149 [=====>...] - ETA: 0s - loss: 0.8903
400/1149 [=====>...] - ETA: 0s - loss: 0.1234
790/1149 [=====>...] - ETA: 0s - loss: 0.4821
835/1149 [=====>...] - ETA: 0s - loss: 0.1218
780/1149 [=====>...] - ETA: 0s - loss: 0.3630
275/1149 [=====>...] - ETA: 0s - loss: 0.1245
900/1148 [=====>...] - ETA: 0s - loss: 0.0773
560/1149 [=====>...] - ETA: 0s - loss: 0.8991
510/1149 [=====>...] - ETA: 0s - loss: 0.1313
920/1149 [=====>...] - ETA: 0s - loss: 0.5090
940/1149 [=====>...] - ETA: 0s - loss: 0.1200
1000/1149 [=====>...] - ETA: 0s - loss: 0.3410
390/1149 [=====>...] - ETA: 0s - loss: 0.1124
995/1148 [=====>...] - ETA: 0s - loss: 0.0776
750/1149 [=====>...] - ETA: 0s - loss: 0.8354Epoch 1/5

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10/1149 [...] - ETA: 35s - loss: 1.1194
610/1149 [=====>...] - ETA: 0s - loss: 0.1257
1045/1149 [=====>...] - ETA: 0s - loss: 0.4848
1149/1149 [=====] - 0s 220us/step - loss: 0.3337

1085/1149 [=====>..] - ETA: 0s - loss: 0.1278
530/1149 [=====>...] - ETA: 0s - loss: 0.1516
1085/1148 [=====>..] - ETA: 0s - loss: 0.0788
960/1149 [=====>...] - ETA: 0s - loss: 0.8937
1149/1149 [=====] - 1s 475us/step - loss: 0.1292
Epoch 9/20

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5/1149 [...] - ETA: 0s - loss: 0.1223  
1149/1149 [=====] - 1s 437us/step - loss: 0.4770  
Epoch 8/20

5/1149 [...] - ETA: 0s - loss: 0.9863  
1148/1148 [=====] - 1s 476us/step - loss: 0.0788

730/1149 [=====>...] - ETA: 0s - loss: 0.1228  
40/1149 [>...] - ETA: 10s - loss: 0.8287Epoch 17/20

5/1148 [...] - ETA: 0s - loss: 0.1093  
680/1149 [=====>...] - ETA: 0s - loss: 0.1432  
1149/1149 [=====] - 0s 211us/step - loss: 0.8906  
Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 1.3639  
140/1149 [==>...] - ETA: 0s - loss: 0.1016  
125/1149 [==>...] - ETA: 0s - loss: 0.3478  
865/1149 [=====>...] - ETA: 0s - loss: 0.1243  
120/1149 [==>...] - ETA: 3s - loss: 0.9699  
140/1148 [==>...] - ETA: 0s - loss: 0.0890  
785/1149 [=====>...] - ETA: 0s - loss: 0.1390  
210/1149 [====>...] - ETA: 0s - loss: 0.7319  
255/1149 [====>...] - ETA: 0s - loss: 0.1124  
215/1149 [====>...] - ETA: 0s - loss: 0.4599  
985/1149 [=====>...] - ETA: 0s - loss: 0.1214  
260/1148 [====>...] - ETA: 0s - loss: 0.0746  
210/1149 [====>...] - ETA: 2s - loss: 0.9275  
885/1149 [=====>...] - ETA: 0s - loss: 0.1327  
420/1149 [=====>...] - ETA: 0s - loss: 0.8800  
375/1149 [=====>...] - ETA: 0s - loss: 0.1140  
335/1149 [=====>...] - ETA: 0s - loss: 0.5356  
1125/1149 [=====>.] - ETA: 0s - loss: 0.1181  
370/1148 [=====>...] - ETA: 0s - loss: 0.0713  
290/1149 [=====>...] - ETA: 1s - loss: 0.9055  
1149/1149 [=====] - 1s 459us/step - loss: 0.1170  
Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.0823  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1287  
690/1149 [=====>...] - ETA: 0s - loss: 0.8572  
495/1149 [=====>...] - ETA: 0s - loss: 0.1067  
445/1149 [=====>...] - ETA: 0s - loss: 0.4939  
485/1148 [=====>...] - ETA: 0s - loss: 0.0772  
380/1149 [=====>...] - ETA: 1s - loss: 1.0310  
120/1149 [==>...] - ETA: 0s - loss: 0.1169  
1085/1149 [=====>.] - ETA: 0s - loss: 0.1263

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960/1149 [=====>...] - ETA: 0s - loss: 0.7948
625/1149 [=====>...] - ETA: 0s - loss: 0.1060
1149/1149 [=====] - 1s 478us/step - loss: 0.1243

575/1149 [=====>...] - ETA: 0s - loss: 0.4936Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.0538
590/1148 [=====>...] - ETA: 0s - loss: 0.0799
430/1149 [=====>...] - ETA: 1s - loss: 1.0396
220/1149 [====>...] - ETA: 0s - loss: 0.1036
1149/1149 [=====] - 0s 219us/step - loss: 0.8013
Epoch 5/5

10/1149 [...] - ETA: 0s - loss: 0.8971
725/1149 [=====>...] - ETA: 0s - loss: 0.1050
675/1149 [=====>...] - ETA: 0s - loss: 0.4746
105/1149 [=>...] - ETA: 0s - loss: 0.0935
700/1148 [=====>...] - ETA: 0s - loss: 0.0754
590/1149 [=====>...] - ETA: 0s - loss: 1.0735
315/1149 [=====>...] - ETA: 0s - loss: 0.1031
200/1149 [====>...] - ETA: 0s - loss: 0.6611
825/1149 [=====>...] - ETA: 0s - loss: 0.1045
785/1149 [=====>...] - ETA: 0s - loss: 0.4390
200/1149 [====>...] - ETA: 0s - loss: 0.1024
805/1148 [=====>...] - ETA: 0s - loss: 0.0752
770/1149 [=====>...] - ETA: 0s - loss: 1.1522
435/1149 [=====>...] - ETA: 0s - loss: 0.1077
420/1149 [=====>...] - ETA: 0s - loss: 0.6355
935/1149 [=====>...] - ETA: 0s - loss: 0.1284
315/1149 [=====>...] - ETA: 0s - loss: 0.0977
905/1149 [=====>...] - ETA: 0s - loss: 0.4548
915/1148 [=====>...] - ETA: 0s - loss: 0.0766
560/1149 [=====>...] - ETA: 0s - loss: 0.1125
890/1149 [=====>...] - ETA: 0s - loss: 1.1424
620/1149 [=====>...] - ETA: 0s - loss: 0.7359
1045/1149 [=====>...] - ETA: 0s - loss: 0.1280
450/1149 [=====>...] - ETA: 0s - loss: 0.1025
1030/1149 [=====>...] - ETA: 0s - loss: 0.4430
1030/1148 [=====>...] - ETA: 0s - loss: 0.0772
690/1149 [=====>...] - ETA: 0s - loss: 0.1109
950/1149 [=====>...] - ETA: 0s - loss: 1.1480
820/1149 [=====>...] - ETA: 0s - loss: 0.7332
1140/1149 [=====>.] - ETA: 0s - loss: 0.1264
1149/1149 [=====] - 1s 447us/step - loss: 0.4338

1149/1149 [=====] - 1s 451us/step - loss: 0.1257
Epoch 9/20

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5/1149 [...] - ETA: 0s - loss: 0.0229
595/1149 [=====>...] - ETA: 0s - loss: 0.1343Epoch 10/20

5/1149 [...] - ETA: 0s - loss: 0.1524
1125/1148 [=====>.] - ETA: 0s - loss: 0.0759
825/1149 [=====>...] - ETA: 0s - loss: 0.1084
1100/1149 [=====>..] - ETA: 0s - loss: 1.1366
1148/1148 [=====] - 1s 463us/step - loss: 0.0783
Epoch 18/20

5/1148 [...] - ETA: 0s - loss: 0.1297
1040/1149 [=====>...] - ETA: 0s - loss: 0.7402
1149/1149 [=====] - 1s 789us/step - loss: 1.1131
Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 1.5833Epoch 1/5

10/1149 [...] - ETA: 31s - loss: 0.7768
1149/1149 [=====] - 0s 244us/step - loss: 0.7387

705/1149 [=====>...] - ETA: 0s - loss: 0.1325
115/1149 [==>...] - ETA: 0s - loss: 0.5253
145/1149 [==>...] - ETA: 0s - loss: 0.0933
940/1149 [=====>...] - ETA: 0s - loss: 0.1078
105/1148 [=>...] - ETA: 0s - loss: 0.1245
330/1149 [=====>...] - ETA: 0s - loss: 0.9350
70/1149 [>...] - ETA: 5s - loss: 1.3533
825/1149 [=====>...] - ETA: 0s - loss: 0.1394
220/1149 [====>...] - ETA: 0s - loss: 0.4951
275/1149 [=====>...] - ETA: 0s - loss: 0.0912
1060/1149 [=====>...] - ETA: 0s - loss: 0.1201
225/1148 [====>...] - ETA: 0s - loss: 0.0992
720/1149 [=====>...] - ETA: 0s - loss: 0.9688
965/1149 [=====>...] - ETA: 0s - loss: 0.1312
350/1149 [=====>...] - ETA: 0s - loss: 0.4690
1149/1149 [=====] - 1s 438us/step - loss: 0.1169

110/1149 [=>...] - ETA: 3s - loss: 1.2475
405/1149 [=====>...] - ETA: 0s - loss: 0.0946Epoch 17/20

5/1149 [...] - ETA: 0s - loss: 0.0495
335/1148 [=====>...] - ETA: 0s - loss: 0.0907
990/1149 [=====>...] - ETA: 0s - loss: 0.9579
1090/1149 [=====>..] - ETA: 0s - loss: 0.1284
465/1149 [=====>...] - ETA: 0s - loss: 0.5061
535/1149 [=====>...] - ETA: 0s - loss: 0.1005
115/1149 [==>...] - ETA: 0s - loss: 0.1217
1149/1149 [=====] - 0s 160us/step - loss: 0.9646

```

Epoch 3/5

10/1149 [...] - ETA: 0s - loss: 0.1995  
160/1149 [==>...] - ETA: 2s - loss: 1.2662  
455/1148 [=====>...] - ETA: 0s - loss: 0.0864  
1149/1149 [=====] - 0s 427us/step - loss: 0.1262  
Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.0374  
655/1149 [=====>...] - ETA: 0s - loss: 0.1035  
585/1149 [=====>...] - ETA: 0s - loss: 0.4869  
240/1149 [=====>...] - ETA: 1s - loss: 1.3296  
215/1149 [=====>...] - ETA: 0s - loss: 0.1479  
270/1149 [=====>...] - ETA: 0s - loss: 0.9640  
585/1148 [=====>...] - ETA: 0s - loss: 0.0866  
120/1149 [==>...] - ETA: 0s - loss: 0.1201  
760/1149 [=====>...] - ETA: 0s - loss: 0.1055  
705/1149 [=====>...] - ETA: 0s - loss: 0.4459  
330/1149 [=====>...] - ETA: 0s - loss: 0.1377  
480/1149 [=====>...] - ETA: 0s - loss: 0.9415  
440/1149 [=====>...] - ETA: 0s - loss: 1.2499  
710/1148 [=====>...] - ETA: 0s - loss: 0.0836  
210/1149 [=====>...] - ETA: 0s - loss: 0.2073  
810/1149 [=====>...] - ETA: 0s - loss: 0.4247  
880/1149 [=====>...] - ETA: 0s - loss: 0.1178  
455/1149 [=====>...] - ETA: 0s - loss: 0.1199  
690/1149 [=====>...] - ETA: 0s - loss: 0.8838  
580/1149 [=====>...] - ETA: 0s - loss: 1.2215  
815/1148 [=====>...] - ETA: 0s - loss: 0.0806  
305/1149 [=====>...] - ETA: 0s - loss: 0.1744  
990/1149 [=====>...] - ETA: 0s - loss: 0.1197  
925/1149 [=====>...] - ETA: 0s - loss: 0.4280  
570/1149 [=====>...] - ETA: 0s - loss: 0.1203  
860/1149 [=====>...] - ETA: 0s - loss: 0.8593  
830/1149 [=====>...] - ETA: 0s - loss: 1.1869  
920/1148 [=====>...] - ETA: 0s - loss: 0.0821  
405/1149 [=====>...] - ETA: 0s - loss: 0.1543  
1135/1149 [=====>.] - ETA: 0s - loss: 0.1232  
1045/1149 [=====>...] - ETA: 0s - loss: 0.4177  
705/1149 [=====>...] - ETA: 0s - loss: 0.1256  
1149/1149 [=====] - 0s 410us/step - loss: 0.1234  
Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.0781  
1040/1149 [=====>...] - ETA: 0s - loss: 0.8884  
1090/1149 [=====>..] - ETA: 0s - loss: 1.0901  
1000/1148 [=====>...] - ETA: 0s - loss: 0.0807  
480/1149 [=====>...] - ETA: 0s - loss: 0.1455

1149/1149 [=====] - 1s 632us/step - loss: 1.0748  
Epoch 2/5

10/1149 [...] - ETA: 0s - loss: 0.2837  
1149/1149 [=====] - 1s 442us/step - loss: 0.3955

1149/1149 [=====] - 0s 256us/step - loss: 0.8372  
Epoch 10/20

5/1149 [...] - ETA: 0s - loss: 0.0414Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 1.1198  
815/1149 [=====>...] - ETA: 0s - loss: 0.1210  
115/1149 [==>...] - ETA: 0s - loss: 0.1029  
1105/1148 [=====>...] - ETA: 0s - loss: 0.0785  
605/1149 [=====>...] - ETA: 0s - loss: 0.1353  
210/1149 [=====>...] - ETA: 0s - loss: 1.0643  
1148/1148 [=====] - 1s 465us/step - loss: 0.0784  
Epoch 19/20

5/1148 [...] - ETA: 0s - loss: 0.0372  
90/1149 [=>...] - ETA: 0s - loss: 0.3000  
280/1149 [=====>...] - ETA: 0s - loss: 0.7837  
915/1149 [=====>...] - ETA: 0s - loss: 0.1200  
215/1149 [=====>...] - ETA: 0s - loss: 0.1144  
745/1149 [=====>...] - ETA: 0s - loss: 0.1370  
440/1149 [=====>...] - ETA: 0s - loss: 1.1743  
120/1148 [==>...] - ETA: 0s - loss: 0.0810  
560/1149 [=====>...] - ETA: 0s - loss: 0.7275  
180/1149 [===>...] - ETA: 0s - loss: 0.4715  
1015/1149 [=====>...] - ETA: 0s - loss: 0.1214  
300/1149 [=====>...] - ETA: 0s - loss: 0.1344  
870/1149 [=====>...] - ETA: 0s - loss: 0.1341  
660/1149 [=====>...] - ETA: 0s - loss: 1.0489  
250/1148 [=====>...] - ETA: 0s - loss: 0.0728  
800/1149 [=====>...] - ETA: 0s - loss: 0.7259  
300/1149 [=====>...] - ETA: 0s - loss: 0.4784  
1125/1149 [=====>...] - ETA: 0s - loss: 0.1170  
430/1149 [=====>...] - ETA: 0s - loss: 0.1356  
1149/1149 [=====] - 1s 461us/step - loss: 0.1157  
Epoch 18/20

5/1149 [...] - ETA: 0s - loss: 0.0504  
970/1149 [=====>...] - ETA: 0s - loss: 0.1283  
870/1149 [=====>...] - ETA: 0s - loss: 0.9732  
370/1148 [=====>...] - ETA: 0s - loss: 0.0741  
435/1149 [=====>...] - ETA: 0s - loss: 0.4068  
1000/1149 [=====>...] - ETA: 0s - loss: 0.7562



565/1149 [=====>...] - ETA: 0s - loss: 0.1283  
 120/1149 [==>...] - ETA: 0s - loss: 0.1169  
 1060/1149 [=====>...] - ETA: 0s - loss: 0.1250  
 1070/1149 [=====>...] - ETA: 0s - loss: 0.9229  
 1149/1149 [=====] - 0s 216us/step - loss: 0.7635  
 Epoch 5/5  
  
 10/1149 [...] - ETA: 0s - loss: 0.9529  
 495/1148 [=====>...] - ETA: 0s - loss: 0.0743  
 560/1149 [=====>...] - ETA: 0s - loss: 0.3741Epoch 1/10  
  
 10/1148 [...] - ETA: 33s - loss: 0.3114  
 1149/1149 [=====] - 0s 241us/step - loss: 0.8990  
 Epoch 3/5  
  
 10/1149 [...] - ETA: 0s - loss: 0.8857  
 680/1149 [=====>...] - ETA: 0s - loss: 0.1225  
 1149/1149 [=====] - 1s 480us/step - loss: 0.1235  
 Epoch 17/20  
  
 5/1149 [...] - ETA: 0s - loss: 0.0382  
 230/1149 [=====>...] - ETA: 0s - loss: 0.0960  
 260/1149 [=====>...] - ETA: 0s - loss: 0.7330  
 625/1148 [=====>...] - ETA: 0s - loss: 0.0746  
 665/1149 [=====>...] - ETA: 0s - loss: 0.4181  
 230/1149 [=====>...] - ETA: 0s - loss: 0.5958  
 100/1148 [=>...] - ETA: 3s - loss: 0.4232  
 805/1149 [=====>...] - ETA: 0s - loss: 0.1178  
 140/1149 [==>...] - ETA: 0s - loss: 0.2245  
 365/1149 [=====>...] - ETA: 0s - loss: 0.1033  
 490/1149 [=====>...] - ETA: 0s - loss: 0.7484  
 745/1148 [=====>...] - ETA: 0s - loss: 0.0766  
 765/1149 [=====>...] - ETA: 0s - loss: 0.3978  
 480/1149 [=====>...] - ETA: 0s - loss: 0.6337  
 190/1148 [==>...] - ETA: 2s - loss: 0.3687  
 915/1149 [=====>...] - ETA: 0s - loss: 0.1288  
 260/1149 [=====>...] - ETA: 0s - loss: 0.1880  
 475/1149 [=====>...] - ETA: 0s - loss: 0.0976  
 680/1149 [=====>...] - ETA: 0s - loss: 0.7912  
 840/1148 [=====>...] - ETA: 0s - loss: 0.0770  
 855/1149 [=====>...] - ETA: 0s - loss: 0.3809  
 680/1149 [=====>...] - ETA: 0s - loss: 0.5928  
 270/1148 [=====>...] - ETA: 1s - loss: 0.3789  
 995/1149 [=====>...] - ETA: 0s - loss: 0.1233  
 345/1149 [=====>...] - ETA: 0s - loss: 0.1602  
 560/1149 [=====>...] - ETA: 0s - loss: 0.0972  
 900/1149 [=====>...] - ETA: 0s - loss: 0.7264  
 965/1149 [=====>...] - ETA: 0s - loss: 0.3751

945/1148 [=====>...] - ETA: 0s - loss: 0.0821  
 920/1149 [=====>...] - ETA: 0s - loss: 0.5501  
 1100/1149 [=====>..] - ETA: 0s - loss: 0.1223  
 350/1148 [=====>...] - ETA: 1s - loss: 0.3470  
 465/1149 [=====>...] - ETA: 0s - loss: 0.1544  
 695/1149 [=====>...] - ETA: 0s - loss: 0.1035  
 1149/1149 [=====] - 0s 222us/step - loss: 0.7078  
  
 1149/1149 [=====] - 1s 477us/step - loss: 0.1218  
 Epoch 12/20

5/1149 [...] - ETA: 0s - loss: 0.1198  
 1085/1149 [=====>..] - ETA: 0s - loss: 0.3689  
 1055/1148 [=====>...] - ETA: 0s - loss: 0.0801  
 1140/1149 [=====>..] - ETA: 0s - loss: 0.5310  
 1149/1149 [=====] - 0s 226us/step - loss: 0.5289  
 Epoch 4/5

10/1149 [...] - ETA: 0s - loss: 0.1315  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1006  
 600/1149 [=====>...] - ETA: 0s - loss: 0.1412  
 470/1148 [=====>...] - ETA: 0s - loss: 0.3483  
 1149/1149 [=====] - 1s 476us/step - loss: 0.3613  
 Epoch 11/20

5/1149 [...] - ETA: 0s - loss: 0.1272  
 1148/1148 [=====] - 1s 442us/step - loss: 0.0784  
 Epoch 20/20

5/1148 [...] - ETA: 0s - loss: 0.0592  
 150/1149 [==>...] - ETA: 0s - loss: 0.0814  
 260/1149 [=====>...] - ETA: 0s - loss: 0.3072  
 715/1149 [=====>...] - ETA: 0s - loss: 0.1360  
 910/1149 [=====>...] - ETA: 0s - loss: 0.1048  
 680/1148 [=====>...] - ETA: 0s - loss: 0.3357  
 135/1149 [==>...] - ETA: 0s - loss: 0.3198  
 145/1148 [==>...] - ETA: 0s - loss: 0.0777  
 270/1149 [=====>...] - ETA: 0s - loss: 0.0868  
 500/1149 [=====>...] - ETA: 0s - loss: 0.2773  
 1010/1149 [=====>...] - ETA: 0s - loss: 0.1154  
 840/1149 [=====>...] - ETA: 0s - loss: 0.1341  
 880/1148 [=====>...] - ETA: 0s - loss: 0.3246  
 270/1149 [=====>...] - ETA: 0s - loss: 0.2779  
 270/1148 [=====>...] - ETA: 0s - loss: 0.0737  
 400/1149 [=====>...] - ETA: 0s - loss: 0.0978  
 730/1149 [=====>...] - ETA: 0s - loss: 0.2538  
 1080/1149 [=====>..] - ETA: 0s - loss: 0.1149  
 970/1149 [=====>...] - ETA: 0s - loss: 0.1263

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1000/1148 [=====>...] - ETA: 0s - loss: 0.3191
390/1149 [=====>...] - ETA: 0s - loss: 0.3183
390/1148 [=====>...] - ETA: 0s - loss: 0.0710
1149/1149 [=====] - 1s 469us/step - loss: 0.1144

540/1149 [=====>...] - ETA: 0s - loss: 0.0995Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.1897
1148/1148 [=====] - 1s 660us/step - loss: 0.3149
Epoch 2/10

10/1148 [...] - ETA: 0s - loss: 0.2524
930/1149 [=====>...] - ETA: 0s - loss: 0.2470
1110/1149 [=====>..] - ETA: 0s - loss: 0.1234
515/1149 [=====>...] - ETA: 0s - loss: 0.3610
1149/1149 [=====] - 0s 422us/step - loss: 0.1220
Epoch 18/20

5/1149 [...] - ETA: 0s - loss: 0.0157
505/1148 [=====>...] - ETA: 0s - loss: 0.0727
680/1149 [=====>...] - ETA: 0s - loss: 0.0991
1149/1149 [=====] - 0s 218us/step - loss: 0.2458

120/1149 [==>...] - ETA: 0s - loss: 0.1106Epoch 5/5

10/1149 [...] - ETA: 0s - loss: 0.2020
250/1148 [=====>...] - ETA: 0s - loss: 0.1977
640/1149 [=====>...] - ETA: 0s - loss: 0.3357
105/1149 [=>...] - ETA: 0s - loss: 0.1516
585/1148 [=====>...] - ETA: 0s - loss: 0.0769
800/1149 [=====>...] - ETA: 0s - loss: 0.0991
250/1149 [=====>...] - ETA: 0s - loss: 0.1346
250/1149 [=====>...] - ETA: 0s - loss: 0.1789
440/1148 [=====>...] - ETA: 0s - loss: 0.1878
745/1149 [=====>...] - ETA: 0s - loss: 0.3410
665/1148 [=====>...] - ETA: 0s - loss: 0.0763
915/1149 [=====>...] - ETA: 0s - loss: 0.1129
190/1149 [===>...] - ETA: 0s - loss: 0.1413
395/1149 [=====>...] - ETA: 0s - loss: 0.1282
430/1149 [=====>...] - ETA: 0s - loss: 0.1801
570/1148 [=====>...] - ETA: 0s - loss: 0.1870
845/1149 [=====>...] - ETA: 0s - loss: 0.3474
800/1148 [=====>...] - ETA: 0s - loss: 0.0775
285/1149 [=====>...] - ETA: 0s - loss: 0.1254
1010/1149 [=====>...] - ETA: 0s - loss: 0.1213
480/1149 [=====>...] - ETA: 0s - loss: 0.1236
630/1149 [=====>...] - ETA: 0s - loss: 0.1625
790/1148 [=====>...] - ETA: 0s - loss: 0.1813

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935/1149 [=====>...] - ETA: 0s - loss: 0.3338  
925/1148 [=====>...] - ETA: 0s - loss: 0.0769  
390/1149 [=====>...] - ETA: 0s - loss: 0.1219  
1110/1149 [=====>...] - ETA: 0s - loss: 0.1219  
570/1149 [=====>...] - ETA: 0s - loss: 0.1193  
1020/1148 [=====>...] - ETA: 0s - loss: 0.1807  
830/1149 [=====>...] - ETA: 0s - loss: 0.1685  
1149/1149 [=====] - 0s 425us/step - loss: 0.1211  
Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.0148  
1148/1148 [=====] - 0s 247us/step - loss: 0.1827  
Epoch 3/10

10/1148 [...] - ETA: 0s - loss: 0.1412  
1040/1149 [=====>...] - ETA: 0s - loss: 0.3462  
1030/1148 [=====>...] - ETA: 0s - loss: 0.0780  
510/1149 [=====>...] - ETA: 0s - loss: 0.1158  
680/1149 [=====>...] - ETA: 0s - loss: 0.1177  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1717  
90/1149 [=>...] - ETA: 0s - loss: 0.0828  
240/1148 [=====>...] - ETA: 0s - loss: 0.1541  
1149/1149 [=====] - 0s 254us/step - loss: 0.1752  
  
1145/1149 [=====>.] - ETA: 0s - loss: 0.3321  
1130/1148 [=====>.] - ETA: 0s - loss: 0.0787  
1149/1149 [=====] - 1s 458us/step - loss: 0.3318  
Epoch 12/20

5/1149 [...] - ETA: 0s - loss: 0.0647  
625/1149 [=====>...] - ETA: 0s - loss: 0.1091  
1148/1148 [=====] - 1s 454us/step - loss: 0.0783

790/1149 [=====>...] - ETA: 0s - loss: 0.1292  
185/1149 [==>...] - ETA: 0s - loss: 0.0843  
480/1148 [=====>...] - ETA: 0s - loss: 0.1341  
120/1149 [==>...] - ETA: 0s - loss: 0.2445  
745/1149 [=====>...] - ETA: 0s - loss: 0.1318  
920/1149 [=====>...] - ETA: 0s - loss: 0.1220  
315/1149 [=====>...] - ETA: 0s - loss: 0.0929  
770/1148 [=====>...] - ETA: 0s - loss: 0.1363  
265/1149 [=====>...] - ETA: 0s - loss: 0.3604  
880/1149 [=====>...] - ETA: 0s - loss: 0.1296  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1176  
445/1149 [=====>...] - ETA: 0s - loss: 0.1263  
1010/1148 [=====>...] - ETA: 0s - loss: 0.1322  
415/1149 [=====>...] - ETA: 0s - loss: 0.3375  
1005/1149 [=====>...] - ETA: 0s - loss: 0.1247

1145/1149 [=====>.] - ETA: 0s - loss: 0.1154  
1149/1149 [=====] - 1s 452us/step - loss: 0.1150  
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.0485  
1148/1148 [=====] - 0s 200us/step - loss: 0.1280  
Epoch 4/10

10/1148 [...] - ETA: 0s - loss: 0.1174  
585/1149 [=====>...] - ETA: 0s - loss: 0.1184  
535/1149 [=====>...] - ETA: 0s - loss: 0.3284  
1105/1149 [=====>.] - ETA: 0s - loss: 0.1205  
135/1149 [==>...] - ETA: 0s - loss: 0.1065  
210/1148 [====>...] - ETA: 0s - loss: 0.1490  
1149/1149 [=====] - 1s 471us/step - loss: 0.1197  
Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.2119  
710/1149 [=====>...] - ETA: 0s - loss: 0.1177  
625/1149 [=====>...] - ETA: 0s - loss: 0.3793  
255/1149 [=====>...] - ETA: 0s - loss: 0.1092  
400/1148 [=====>...] - ETA: 0s - loss: 0.1278  
90/1149 [=>...] - ETA: 0s - loss: 0.2818  
840/1149 [=====>...] - ETA: 0s - loss: 0.1169  
725/1149 [=====>...] - ETA: 0s - loss: 0.3633  
355/1149 [=====>...] - ETA: 0s - loss: 0.1081  
590/1148 [=====>...] - ETA: 0s - loss: 0.1219  
195/1149 [====>...] - ETA: 0s - loss: 0.1803  
950/1149 [=====>...] - ETA: 0s - loss: 0.1236  
855/1149 [=====>...] - ETA: 0s - loss: 0.3431Epoch 1/10

10/1149 [...] - ETA: 33s - loss: 2.9164  
465/1149 [=====>...] - ETA: 0s - loss: 0.0988  
830/1148 [=====>...] - ETA: 0s - loss: 0.1151  
315/1149 [=====>...] - ETA: 0s - loss: 0.1498  
1055/1149 [=====>...] - ETA: 0s - loss: 0.1205  
960/1149 [=====>...] - ETA: 0s - loss: 0.3278  
110/1149 [=>...] - ETA: 3s - loss: 1.2431  
585/1149 [=====>...] - ETA: 0s - loss: 0.1045  
1070/1148 [=====>...] - ETA: 0s - loss: 0.1123  
1149/1149 [=====] - 1s 442us/step - loss: 0.1198  
Epoch 14/20

5/1149 [...] - ETA: 0s - loss: 0.0131  
460/1149 [=====>...] - ETA: 0s - loss: 0.1230  
1148/1148 [=====] - 0s 244us/step - loss: 0.1113  
Epoch 5/10

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10/1148 [...] - ETA: 0s - loss: 0.1063
1075/1149 [=====>...] - ETA: 0s - loss: 0.3084
200/1149 [====>...] - ETA: 1s - loss: 1.1663
710/1149 [=====>...] - ETA: 0s - loss: 0.1127
135/1149 [==>...] - ETA: 0s - loss: 0.0826
580/1149 [=====>...] - ETA: 0s - loss: 0.1132
1149/1149 [=====] - 0s 432us/step - loss: 0.3070

230/1148 [=====>...] - ETA: 0s - loss: 0.0961Epoch 13/20

5/1149 [...] - ETA: 0s - loss: 0.1034
280/1149 [=====>...] - ETA: 1s - loss: 1.2096
840/1149 [=====>...] - ETA: 0s - loss: 0.1192Epoch 1/10

10/1149 [...] - ETA: 29s - loss: 1.3820
710/1149 [=====>...] - ETA: 0s - loss: 0.1129
265/1149 [=====>...] - ETA: 0s - loss: 0.1117
470/1148 [=====>...] - ETA: 0s - loss: 0.0984
115/1149 [==>...] - ETA: 0s - loss: 0.2935
430/1149 [=====>...] - ETA: 0s - loss: 1.1941
965/1149 [=====>...] - ETA: 0s - loss: 0.1178
835/1149 [=====>...] - ETA: 0s - loss: 0.1188
385/1149 [=====>...] - ETA: 0s - loss: 0.1045
90/1149 [=>...] - ETA: 3s - loss: 0.8455
730/1148 [=====>...] - ETA: 0s - loss: 0.0986
240/1149 [=====>...] - ETA: 0s - loss: 0.2495
660/1149 [=====>...] - ETA: 0s - loss: 1.1702
1070/1149 [=====>...] - ETA: 0s - loss: 0.1154
950/1149 [=====>...] - ETA: 0s - loss: 0.1203
505/1149 [=====>...] - ETA: 0s - loss: 0.1032
230/1149 [=====>...] - ETA: 1s - loss: 0.9486Epoch 1/10

10/1149 [...] - ETA: 31s - loss: 1.7335
990/1148 [=====>...] - ETA: 0s - loss: 0.1027
365/1149 [=====>...] - ETA: 0s - loss: 0.3261
1149/1149 [=====] - 1s 437us/step - loss: 0.1133

920/1149 [=====>...] - ETA: 0s - loss: 1.1631
1060/1149 [=====>...] - ETA: 0s - loss: 0.1237
220/1149 [=====>...] - ETA: 1s - loss: 1.1802
625/1149 [=====>...] - ETA: 0s - loss: 0.1169
1148/1148 [=====] - 0s 219us/step - loss: 0.1020

485/1149 [=====>...] - ETA: 0s - loss: 0.2886Epoch 6/10

10/1148 [...] - ETA: 0s - loss: 0.0513
320/1149 [=====>...] - ETA: 1s - loss: 1.0204
1070/1149 [=====>...] - ETA: 0s - loss: 1.1917

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1149/1149 [=====] - 1s 437us/step - loss: 0.1199  
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.0771  
550/1149 [=====>...] - ETA: 0s - loss: 1.1436  
735/1149 [=====>...] - ETA: 0s - loss: 0.1101  
600/1149 [=====>...] - ETA: 0s - loss: 0.2645  
200/1148 [====>...] - ETA: 0s - loss: 0.0954  
1149/1149 [=====] - 1s 603us/step - loss: 1.1732  
Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 2.3788  
380/1149 [=====>...] - ETA: 0s - loss: 1.0844  
125/1149 [==>...] - ETA: 0s - loss: 0.1143  
850/1149 [=====>...] - ETA: 0s - loss: 0.1079  
920/1149 [=====>...] - ETA: 0s - loss: 1.0621  
420/1148 [=====>...] - ETA: 0s - loss: 0.0979  
750/1149 [=====>...] - ETA: 0s - loss: 0.2468  
140/1149 [==>...] - ETA: 0s - loss: 1.1277  
450/1149 [=====>...] - ETA: 0s - loss: 1.1828  
260/1149 [=====>...] - ETA: 0s - loss: 0.1015  
995/1149 [=====>...] - ETA: 0s - loss: 0.1095  
895/1149 [=====>...] - ETA: 0s - loss: 0.2512  
700/1148 [=====>...] - ETA: 0s - loss: 0.0984  
350/1149 [=====>...] - ETA: 0s - loss: 1.1117  
1010/1149 [=====>...] - ETA: 0s - loss: 1.0374  
630/1149 [=====>...] - ETA: 0s - loss: 1.0596  
390/1149 [=====>...] - ETA: 0s - loss: 0.1027  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1178  
1010/1149 [=====>...] - ETA: 0s - loss: 0.2589  
960/1148 [=====>...] - ETA: 0s - loss: 0.0997  
580/1149 [=====>...] - ETA: 0s - loss: 1.1081  
880/1149 [=====>...] - ETA: 0s - loss: 1.2179  
1070/1149 [=====>...] - ETA: 0s - loss: 1.0429  
1149/1149 [=====] - 0s 430us/step - loss: 0.1180  
Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.2010  
520/1149 [=====>...] - ETA: 0s - loss: 0.0997  
1148/1148 [=====] - 0s 212us/step - loss: 0.0970  
Epoch 7/10

10/1148 [...] - ETA: 0s - loss: 0.0611  
1120/1149 [=====>..] - ETA: 0s - loss: 0.2851  
840/1149 [=====>...] - ETA: 0s - loss: 1.1229  
1080/1149 [=====>..] - ETA: 0s - loss: 1.1734  
1149/1149 [=====] - 0s 413us/step - loss: 0.2846  
Epoch 14/20

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5/1149 [...] - ETA: 0s - loss: 0.5000
1130/1149 [=====>...] - ETA: 0s - loss: 1.1029
1149/1149 [=====] - 1s 613us/step - loss: 1.1680

100/1149 [=>...] - ETA: 0s - loss: 0.1079Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.1355
630/1149 [=====>...] - ETA: 0s - loss: 0.1022
290/1148 [=====>...] - ETA: 0s - loss: 0.0971
1149/1149 [=====] - 1s 552us/step - loss: 1.1056
Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.1226
1090/1149 [=====>...] - ETA: 0s - loss: 1.0767
105/1149 [=>...] - ETA: 0s - loss: 0.2561
200/1149 [=====>...] - ETA: 0s - loss: 0.1034
200/1149 [=====>...] - ETA: 0s - loss: 1.0191
1149/1149 [=====] - 0s 245us/step - loss: 1.0406

735/1149 [=====>...] - ETA: 0s - loss: 0.1049
520/1148 [=====>...] - ETA: 0s - loss: 0.0915Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.0820
90/1149 [=>...] - ETA: 0s - loss: 0.8487
210/1149 [=====>...] - ETA: 0s - loss: 0.2351
300/1149 [=====>...] - ETA: 0s - loss: 0.1195
300/1149 [=====>...] - ETA: 0s - loss: 1.1146
845/1149 [=====>...] - ETA: 0s - loss: 0.1024
110/1149 [=>...] - ETA: 0s - loss: 1.1978
750/1148 [=====>...] - ETA: 0s - loss: 0.0967
240/1149 [=====>...] - ETA: 0s - loss: 0.9815
335/1149 [=====>...] - ETA: 0s - loss: 0.2089
420/1149 [=====>...] - ETA: 0s - loss: 0.1513
460/1149 [=====>...] - ETA: 0s - loss: 1.0936
990/1148 [=====>...] - ETA: 0s - loss: 0.0935
970/1149 [=====>...] - ETA: 0s - loss: 0.1065
250/1149 [=====>...] - ETA: 0s - loss: 1.0507
420/1149 [=====>...] - ETA: 0s - loss: 0.8731
1148/1148 [=====] - 0s 206us/step - loss: 0.0935

445/1149 [=====>...] - ETA: 0s - loss: 0.2200Epoch 8/10

10/1148 [...] - ETA: 0s - loss: 0.1627
535/1149 [=====>...] - ETA: 0s - loss: 0.1531
610/1149 [=====>...] - ETA: 0s - loss: 1.1506
1080/1149 [=====>...] - ETA: 0s - loss: 0.1213
410/1149 [=====>...] - ETA: 0s - loss: 1.0916

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650/1149 [=====>...] - ETA: 0s - loss: 0.9021
540/1149 [=====>...] - ETA: 0s - loss: 0.2293
230/1148 [=====>...] - ETA: 0s - loss: 0.0801
1149/1149 [=====] - 1s 436us/step - loss: 0.1187

635/1149 [=====>...] - ETA: 0s - loss: 0.1415
810/1149 [=====>...] - ETA: 0s - loss: 1.1239
610/1149 [=====>...] - ETA: 0s - loss: 1.0523
850/1149 [=====>...] - ETA: 0s - loss: 0.9145
615/1149 [=====>...] - ETA: 0s - loss: 0.2614
400/1148 [=====>...] - ETA: 0s - loss: 0.0886
710/1149 [=====>...] - ETA: 0s - loss: 0.1342
980/1149 [=====>...] - ETA: 0s - loss: 1.0928
800/1149 [=====>...] - ETA: 0s - loss: 1.0041
1050/1149 [=====>...] - ETA: 0s - loss: 0.9256
700/1149 [=====>...] - ETA: 0s - loss: 0.2774
1149/1149 [=====] - 0s 308us/step - loss: 1.0670

600/1148 [=====>...] - ETA: 0s - loss: 0.0884Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 0.2712
815/1149 [=====>...] - ETA: 0s - loss: 0.1287
1149/1149 [=====] - 0s 306us/step - loss: 0.8912

990/1149 [=====>...] - ETA: 0s - loss: 0.9595Epoch 3/10

10/1149 [...] - ETA: 0s - loss: 1.3926
795/1149 [=====>...] - ETA: 0s - loss: 0.2647
220/1149 [=====>...] - ETA: 0s - loss: 0.8650
810/1148 [=====>...] - ETA: 0s - loss: 0.0941
1149/1149 [=====] - 0s 302us/step - loss: 0.9154
Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.5571
920/1149 [=====>...] - ETA: 0s - loss: 0.1247
240/1149 [=====>...] - ETA: 0s - loss: 0.6517
905/1149 [=====>...] - ETA: 0s - loss: 0.2569
1040/1148 [=====>...] - ETA: 0s - loss: 0.0912
430/1149 [=====>...] - ETA: 0s - loss: 0.9506
260/1149 [=====>...] - ETA: 0s - loss: 0.9818
1040/1149 [=====>...] - ETA: 0s - loss: 0.1208
510/1149 [=====>...] - ETA: 0s - loss: 0.5287
1148/1148 [=====] - 0s 246us/step - loss: 0.0905
Epoch 9/10

10/1148 [...] - ETA: 0s - loss: 0.0472
1045/1149 [=====>...] - ETA: 0s - loss: 0.2586
1149/1149 [=====] - 1s 489us/step - loss: 0.1173

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490/1149 [=====>...] - ETA: 0s - loss: 0.8456
700/1149 [=====>...] - ETA: 0s - loss: 0.9822Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.1752
760/1149 [=====>...] - ETA: 0s - loss: 0.5235
240/1148 [=====>...] - ETA: 0s - loss: 0.0861
1149/1149 [=====] - 1s 487us/step - loss: 0.2671
Epoch 15/20

5/1149 [...] - ETA: 0s - loss: 0.1128
125/1149 [==>...] - ETA: 0s - loss: 0.0932
730/1149 [=====>...] - ETA: 0s - loss: 0.8106
970/1149 [=====>...] - ETA: 0s - loss: 0.8823
990/1149 [=====>...] - ETA: 0s - loss: 0.5189
480/1148 [=====>...] - ETA: 0s - loss: 0.1012
120/1149 [==>...] - ETA: 0s - loss: 0.4263
1149/1149 [=====] - 0s 221us/step - loss: 0.8393
Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 3.2941
230/1149 [=====>...] - ETA: 0s - loss: 0.0814
900/1149 [=====>...] - ETA: 0s - loss: 0.8262
1149/1149 [=====] - 0s 216us/step - loss: 0.5010
Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.0694
650/1148 [=====>...] - ETA: 0s - loss: 0.0950
210/1149 [=====>...] - ETA: 0s - loss: 0.4214
190/1149 [==>...] - ETA: 0s - loss: 0.6064
330/1149 [=====>...] - ETA: 0s - loss: 0.0835
1090/1149 [=====>...] - ETA: 0s - loss: 0.8451
170/1149 [==>...] - ETA: 0s - loss: 0.3810
830/1148 [=====>...] - ETA: 0s - loss: 0.0935
1149/1149 [=====] - 0s 243us/step - loss: 0.8460
Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.7657
295/1149 [=====>...] - ETA: 0s - loss: 0.4027
380/1149 [=====>...] - ETA: 0s - loss: 0.6843
425/1149 [=====>...] - ETA: 0s - loss: 0.0880
330/1149 [=====>...] - ETA: 0s - loss: 0.3650
990/1148 [=====>...] - ETA: 0s - loss: 0.0910
180/1149 [==>...] - ETA: 0s - loss: 0.9910
375/1149 [=====>...] - ETA: 0s - loss: 0.3522
570/1149 [=====>...] - ETA: 0s - loss: 0.6300
510/1149 [=====>...] - ETA: 0s - loss: 0.0924
500/1149 [=====>...] - ETA: 0s - loss: 0.3394

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1148/1148 [=====] - 0s 260us/step - loss: 0.0887  
Epoch 10/10

10/1148 [...] - ETA: 0s - loss: 0.1095  
370/1149 [=====>...] - ETA: 0s - loss: 0.8881  
480/1149 [=====>...] - ETA: 0s - loss: 0.3111  
780/1149 [=====>...] - ETA: 0s - loss: 0.5715  
625/1149 [=====>...] - ETA: 0s - loss: 0.1103  
710/1149 [=====>...] - ETA: 0s - loss: 0.3070  
230/1148 [=====>...] - ETA: 0s - loss: 0.0992  
610/1149 [=====>...] - ETA: 0s - loss: 0.8290  
595/1149 [=====>...] - ETA: 0s - loss: 0.2823  
1040/1149 [=====>...] - ETA: 0s - loss: 0.5650  
735/1149 [=====>...] - ETA: 0s - loss: 0.1117  
970/1149 [=====>...] - ETA: 0s - loss: 0.2715  
460/1148 [=====>...] - ETA: 0s - loss: 0.1004Epoch 1/10

10/1149 [...] - ETA: 40s - loss: 0.2065  
1149/1149 [=====] - 0s 251us/step - loss: 0.5526  
Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.2553  
830/1149 [=====>...] - ETA: 0s - loss: 0.8388  
710/1149 [=====>...] - ETA: 0s - loss: 0.2649  
1149/1149 [=====] - 0s 258us/step - loss: 0.2528  
Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.8051  
875/1149 [=====>...] - ETA: 0s - loss: 0.1110  
690/1148 [=====>...] - ETA: 0s - loss: 0.0940  
70/1149 [>...] - ETA: 6s - loss: 1.1177  
240/1149 [=====>...] - ETA: 0s - loss: 0.4573  
1050/1149 [=====>...] - ETA: 0s - loss: 0.8229  
830/1149 [=====>...] - ETA: 0s - loss: 0.2575  
1149/1149 [=====] - 0s 245us/step - loss: 0.7924  
Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.0885  
240/1149 [=====>...] - ETA: 0s - loss: 0.2131  
995/1149 [=====>...] - ETA: 0s - loss: 0.1102  
960/1148 [=====>...] - ETA: 0s - loss: 0.0895  
170/1149 [===>...] - ETA: 2s - loss: 1.1267  
490/1149 [=====>...] - ETA: 0s - loss: 0.3664  
950/1149 [=====>...] - ETA: 0s - loss: 0.2526  
240/1149 [=====>...] - ETA: 0s - loss: 0.8911  
450/1149 [=====>...] - ETA: 0s - loss: 0.1873  
1148/1148 [=====] - 0s 215us/step - loss: 0.0869

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1115/1149 [=====>.] - ETA: 0s - loss: 0.1169
1149/1149 [=====] - 1s 464us/step - loss: 0.1155

270/1149 [=====>...] - ETA: 1s - loss: 1.1330Epoch 17/20

5/1149 [...] - ETA: 0s - loss: 0.3870
740/1149 [=====>...] - ETA: 0s - loss: 0.3602
1050/1149 [=====>...] - ETA: 0s - loss: 0.2546
500/1149 [=====>...] - ETA: 0s - loss: 0.8851
670/1149 [=====>...] - ETA: 0s - loss: 0.1752Epoch 1/15

10/1148 [...] - ETA: 35s - loss: 0.3912
460/1149 [=====>...] - ETA: 0s - loss: 1.1513
145/1149 [==>...] - ETA: 0s - loss: 0.1552
1020/1149 [=====>...] - ETA: 0s - loss: 0.3392
1149/1149 [=====] - 1s 485us/step - loss: 0.2519
Epoch 16/20

5/1149 [...] - ETA: 0s - loss: 0.0332
770/1149 [=====>...] - ETA: 0s - loss: 0.8044
950/1149 [=====>...] - ETA: 0s - loss: 0.1643
1149/1149 [=====] - 0s 199us/step - loss: 0.3258
Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.1360
40/1148 [>...] - ETA: 10s - loss: 0.2566
260/1149 [=====>...] - ETA: 0s - loss: 0.1725
650/1149 [=====>...] - ETA: 0s - loss: 1.1115
125/1149 [==>...] - ETA: 0s - loss: 0.2445
1149/1149 [=====] - 0s 220us/step - loss: 0.1647
Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.0592
990/1149 [=====>...] - ETA: 0s - loss: 0.7782
230/1149 [=====>...] - ETA: 0s - loss: 0.2621
80/1148 [=>...] - ETA: 5s - loss: 0.3048
375/1149 [=====>...] - ETA: 0s - loss: 0.1695
810/1149 [=====>...] - ETA: 0s - loss: 1.1390
250/1149 [=====>...] - ETA: 0s - loss: 0.2284
1149/1149 [=====] - 0s 211us/step - loss: 0.7412
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.5369
270/1149 [=====>...] - ETA: 0s - loss: 0.1362
510/1149 [=====>...] - ETA: 0s - loss: 0.2225
515/1149 [=====>...] - ETA: 0s - loss: 0.1457
130/1148 [==>...] - ETA: 3s - loss: 0.3302
940/1149 [=====>...] - ETA: 0s - loss: 1.1365

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365/1149 [=====>...] - ETA: 0s - loss: 0.2188
250/1149 [=====>...] - ETA: 0s - loss: 0.6806
520/1149 [=====>...] - ETA: 0s - loss: 0.1523
770/1149 [=====>...] - ETA: 0s - loss: 0.2058
1149/1149 [=====] - 1s 675us/step - loss: 1.0817

640/1149 [=====>...] - ETA: 0s - loss: 0.1301
210/1148 [=====>...] - ETA: 2s - loss: 0.3605Epoch 2/10

10/1149 [...] - ETA: 0s - loss: 0.3325
480/1149 [=====>...] - ETA: 0s - loss: 0.2415
470/1149 [=====>...] - ETA: 0s - loss: 0.6326
780/1149 [=====>...] - ETA: 0s - loss: 0.1490
1020/1149 [=====>...] - ETA: 0s - loss: 0.1943
760/1149 [=====>...] - ETA: 0s - loss: 0.1242
260/1149 [=====>...] - ETA: 0s - loss: 0.6996
1149/1149 [=====] - 0s 205us/step - loss: 0.1973
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.0979
300/1148 [=====>...] - ETA: 1s - loss: 0.3529
600/1149 [=====>...] - ETA: 0s - loss: 0.2317
700/1149 [=====>...] - ETA: 0s - loss: 0.7086
1020/1149 [=====>...] - ETA: 0s - loss: 0.1499
1149/1149 [=====] - 0s 202us/step - loss: 0.1450
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.1067
875/1149 [=====>...] - ETA: 0s - loss: 0.1218
560/1149 [=====>...] - ETA: 0s - loss: 0.8299
260/1149 [=====>...] - ETA: 0s - loss: 0.1070
460/1148 [=====>...] - ETA: 0s - loss: 0.3529
715/1149 [=====>...] - ETA: 0s - loss: 0.2234
950/1149 [=====>...] - ETA: 0s - loss: 0.7139
970/1149 [=====>...] - ETA: 0s - loss: 0.1164
230/1149 [=====>...] - ETA: 0s - loss: 0.1411
800/1149 [=====>...] - ETA: 0s - loss: 0.9182
670/1148 [=====>...] - ETA: 0s - loss: 0.3443
450/1149 [=====>...] - ETA: 0s - loss: 0.1201
1149/1149 [=====] - 0s 222us/step - loss: 0.6794

840/1149 [=====>...] - ETA: 0s - loss: 0.2259Epoch 8/10

10/1149 [...] - ETA: 0s - loss: 0.6912
1065/1149 [=====>...] - ETA: 0s - loss: 0.1154
450/1149 [=====>...] - ETA: 0s - loss: 0.1476
990/1149 [=====>...] - ETA: 0s - loss: 0.9418
940/1148 [=====>...] - ETA: 0s - loss: 0.3214

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660/1149 [=====>...] - ETA: 0s - loss: 0.1403
935/1149 [=====>...] - ETA: 0s - loss: 0.2428
230/1149 [=====>...] - ETA: 0s - loss: 0.7550
1149/1149 [=====] - 1s 439us/step - loss: 0.1152

1148/1148 [=====] - 1s 677us/step - loss: 0.3066
Epoch 18/20

    5/1149 [...] - ETA: 0s - loss: 0.0781
1149/1149 [=====] - 0s 217us/step - loss: 0.9574
Epoch 2/15

    10/1148 [...] - ETA: 0s - loss: 0.1807Epoch 3/10

    10/1149 [...] - ETA: 0s - loss: 0.9659
670/1149 [=====>...] - ETA: 0s - loss: 0.1374
840/1149 [=====>...] - ETA: 0s - loss: 0.1430
1035/1149 [=====>...] - ETA: 0s - loss: 0.2463
460/1149 [=====>...] - ETA: 0s - loss: 0.6955
110/1149 [=>...] - ETA: 0s - loss: 0.0855
180/1148 [===>...] - ETA: 0s - loss: 0.1710
250/1149 [=====>...] - ETA: 0s - loss: 0.6932
910/1149 [=====>...] - ETA: 0s - loss: 0.1389Epoch 1/15

    10/1149 [...] - ETA: 35s - loss: 0.3823
1090/1149 [=====>...] - ETA: 0s - loss: 0.1439
680/1149 [=====>...] - ETA: 0s - loss: 0.6641
1149/1149 [=====] - 1s 446us/step - loss: 0.2393
Epoch 17/20

    5/1149 [...] - ETA: 0s - loss: 0.0313
1149/1149 [=====] - 0s 232us/step - loss: 0.1500
Epoch 8/10

    10/1149 [...] - ETA: 0s - loss: 0.0557
250/1149 [=====>...] - ETA: 0s - loss: 0.0781
490/1149 [=====>...] - ETA: 0s - loss: 0.6721
400/1148 [=====>...] - ETA: 0s - loss: 0.1783
1140/1149 [=====>...] - ETA: 0s - loss: 0.1380
1149/1149 [=====] - 0s 227us/step - loss: 0.1382
Epoch 8/10

    10/1149 [...] - ETA: 0s - loss: 0.1508
130/1149 [===>...] - ETA: 2s - loss: 1.0000
930/1149 [=====>...] - ETA: 0s - loss: 0.6599
110/1149 [=>...] - ETA: 0s - loss: 0.1471
240/1149 [=====>...] - ETA: 0s - loss: 0.1552
380/1149 [=====>...] - ETA: 0s - loss: 0.1109

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590/1148 [=====>...] - ETA: 0s - loss: 0.1934
750/1149 [=====>...] - ETA: 0s - loss: 0.7536
1149/1149 [=====] - 0s 216us/step - loss: 0.6238

250/1149 [=====>...] - ETA: 0s - loss: 0.1090Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.0735
240/1149 [=====>...] - ETA: 1s - loss: 1.1679
230/1149 [=====>...] - ETA: 0s - loss: 0.3042
520/1149 [=====>...] - ETA: 0s - loss: 0.1435
485/1149 [=====>...] - ETA: 0s - loss: 0.1100
850/1148 [=====>...] - ETA: 0s - loss: 0.1838
980/1149 [=====>...] - ETA: 0s - loss: 0.7224
470/1149 [=====>...] - ETA: 0s - loss: 0.1231
240/1149 [=====>...] - ETA: 0s - loss: 0.6388
370/1149 [=====>...] - ETA: 0s - loss: 1.2340
340/1149 [=====>...] - ETA: 0s - loss: 0.2484
760/1149 [=====>...] - ETA: 0s - loss: 0.1378
1149/1149 [=====] - 0s 210us/step - loss: 0.6992
Epoch 4/10

10/1149 [...] - ETA: 0s - loss: 0.5227
605/1149 [=====>...] - ETA: 0s - loss: 0.1302
1120/1148 [=====>.] - ETA: 0s - loss: 0.1730
1148/1148 [=====] - 0s 231us/step - loss: 0.1714

710/1149 [=====>...] - ETA: 0s - loss: 0.1232Epoch 3/15

10/1148 [...] - ETA: 0s - loss: 0.1375
480/1149 [=====>...] - ETA: 0s - loss: 0.5755
450/1149 [=====>...] - ETA: 0s - loss: 1.1555
445/1149 [=====>...] - ETA: 0s - loss: 0.2479
1000/1149 [=====>...] - ETA: 0s - loss: 0.1351
210/1149 [=====>...] - ETA: 0s - loss: 0.4305
720/1149 [=====>...] - ETA: 0s - loss: 0.1265
1149/1149 [=====] - 0s 205us/step - loss: 0.1376
Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.0734
200/1148 [=====>...] - ETA: 0s - loss: 0.1158
950/1149 [=====>...] - ETA: 0s - loss: 0.1216
730/1149 [=====>...] - ETA: 0s - loss: 0.6205
610/1149 [=====>...] - ETA: 0s - loss: 1.0520
560/1149 [=====>...] - ETA: 0s - loss: 0.2634
480/1149 [=====>...] - ETA: 0s - loss: 0.4404
835/1149 [=====>...] - ETA: 0s - loss: 0.1238
1149/1149 [=====] - 0s 221us/step - loss: 0.1323

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240/1149 [=====>...] - ETA: 0s - loss: 0.1596Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.0718

410/1148 [=====>...] - ETA: 0s - loss: 0.1092

980/1149 [=====>...] - ETA: 0s - loss: 0.5536

720/1149 [=====>...] - ETA: 0s - loss: 1.0736

670/1149 [=====>...] - ETA: 0s - loss: 0.2482

780/1149 [=====>...] - ETA: 0s - loss: 0.4562

1149/1149 [=====] - 0s 212us/step - loss: 0.5749

965/1149 [=====>...] - ETA: 0s - loss: 0.1175Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.0943

480/1149 [=====>...] - ETA: 0s - loss: 0.1397

260/1149 [=====>...] - ETA: 0s - loss: 0.1079

630/1148 [=====>...] - ETA: 0s - loss: 0.1222

840/1149 [=====>...] - ETA: 0s - loss: 1.1835

785/1149 [=====>...] - ETA: 0s - loss: 0.2483

980/1149 [=====>...] - ETA: 0s - loss: 0.4403

1090/1149 [=====>...] - ETA: 0s - loss: 0.1146

220/1149 [=====>...] - ETA: 0s - loss: 0.6581

890/1148 [=====>...] - ETA: 0s - loss: 0.1206

490/1149 [=====>...] - ETA: 0s - loss: 0.1329

740/1149 [=====>...] - ETA: 0s - loss: 0.1416

950/1149 [=====>...] - ETA: 0s - loss: 1.2046

910/1149 [=====>...] - ETA: 0s - loss: 0.2307

1149/1149 [=====] - 0s 212us/step - loss: 0.4227

Epoch 5/10

10/1149 [...] - ETA: 0s - loss: 0.3260

1149/1149 [=====] - 0s 428us/step - loss: 0.1145

Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.1406

460/1149 [=====>...] - ETA: 0s - loss: 0.6121

1148/1148 [=====] - 0s 222us/step - loss: 0.1186

740/1149 [=====>...] - ETA: 0s - loss: 0.1288

950/1149 [=====>...] - ETA: 0s - loss: 0.1348Epoch 4/15

10/1148 [...] - ETA: 0s - loss: 0.1804

1120/1149 [=====>...] - ETA: 0s - loss: 1.1724

1015/1149 [=====>...] - ETA: 0s - loss: 0.2290

1149/1149 [=====] - 1s 689us/step - loss: 1.1666

Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 0.5515

230/1149 [=====>...] - ETA: 0s - loss: 0.3735



115/1149 [==>...] - ETA: 0s - loss: 0.1828  
680/1149 [=====>...] - ETA: 0s - loss: 0.5573  
1149/1149 [=====] - 0s 221us/step - loss: 0.1322  
Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.4437  
930/1149 [=====>...] - ETA: 0s - loss: 0.1267  
210/1148 [====>...] - ETA: 0s - loss: 0.0851  
1115/1149 [=====>.] - ETA: 0s - loss: 0.2284  
260/1149 [=====>...] - ETA: 0s - loss: 1.1094  
440/1149 [=====>...] - ETA: 0s - loss: 0.3251  
225/1149 [====>...] - ETA: 0s - loss: 0.1448  
1149/1149 [=====] - 1s 464us/step - loss: 0.2271  
Epoch 18/20

5/1149 [...] - ETA: 0s - loss: 0.5407  
890/1149 [=====>...] - ETA: 0s - loss: 0.5275  
220/1149 [====>...] - ETA: 0s - loss: 0.1387  
400/1148 [=====>...] - ETA: 0s - loss: 0.1047  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1307  
1149/1149 [=====] - 0s 232us/step - loss: 0.1295  
Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.0837  
510/1149 [=====>...] - ETA: 0s - loss: 1.0641  
650/1149 [=====>...] - ETA: 0s - loss: 0.3031  
335/1149 [=====>...] - ETA: 0s - loss: 0.1270  
100/1149 [=>...] - ETA: 0s - loss: 0.2574  
1100/1149 [=====>..] - ETA: 0s - loss: 0.5385  
420/1149 [=====>...] - ETA: 0s - loss: 0.1241  
620/1148 [=====>...] - ETA: 0s - loss: 0.1041  
1149/1149 [=====] - 0s 239us/step - loss: 0.5347

250/1149 [=====>...] - ETA: 0s - loss: 0.1421  
730/1149 [=====>...] - ETA: 0s - loss: 1.0443  
930/1149 [=====>...] - ETA: 0s - loss: 0.2754  
440/1149 [=====>...] - ETA: 0s - loss: 0.1257  
220/1149 [====>...] - ETA: 0s - loss: 0.2078  
600/1149 [=====>...] - ETA: 0s - loss: 0.1321  
840/1148 [=====>...] - ETA: 0s - loss: 0.1002  
500/1149 [=====>...] - ETA: 0s - loss: 0.1334  
1149/1149 [=====] - 0s 222us/step - loss: 0.2522

990/1149 [=====>...] - ETA: 0s - loss: 0.9762Epoch 6/10

10/1149 [...] - ETA: 0s - loss: 0.1762  
545/1149 [=====>...] - ETA: 0s - loss: 0.1146  
340/1149 [=====>...] - ETA: 0s - loss: 0.1833

820/1149 [=====>...] - ETA: 0s - loss: 0.1249  
1100/1148 [=====>..] - ETA: 0s - loss: 0.0982  
1149/1149 [=====] - 0s 213us/step - loss: 0.9567  
Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.9387  
740/1149 [=====>...] - ETA: 0s - loss: 0.1305  
1148/1148 [=====] - 0s 238us/step - loss: 0.0988  
Epoch 5/15

10/1148 [...] - ETA: 0s - loss: 0.0864  
230/1149 [=====>...] - ETA: 0s - loss: 0.1710  
675/1149 [=====>...] - ETA: 0s - loss: 0.1150  
455/1149 [=====>...] - ETA: 0s - loss: 0.1643  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1253  
1149/1149 [=====] - 0s 234us/step - loss: 0.1296

100/1149 [=>...] - ETA: 0s - loss: 0.8146  
950/1149 [=====>...] - ETA: 0s - loss: 0.1337  
440/1149 [=====>...] - ETA: 0s - loss: 0.1907  
230/1148 [=====>...] - ETA: 0s - loss: 0.0876  
810/1149 [=====>...] - ETA: 0s - loss: 0.1121  
565/1149 [=====>...] - ETA: 0s - loss: 0.1701  
1149/1149 [=====] - 0s 217us/step - loss: 0.1277

290/1149 [=====>...] - ETA: 0s - loss: 0.8831  
690/1149 [=====>...] - ETA: 0s - loss: 0.1740  
480/1148 [=====>...] - ETA: 0s - loss: 0.0922  
945/1149 [=====>...] - ETA: 0s - loss: 0.1159  
700/1149 [=====>...] - ETA: 0s - loss: 0.2170  
610/1149 [=====>...] - ETA: 0s - loss: 0.7273  
980/1149 [=====>...] - ETA: 0s - loss: 0.1775  
760/1148 [=====>...] - ETA: 0s - loss: 0.0919  
1085/1149 [=====>..] - ETA: 0s - loss: 0.1144  
845/1149 [=====>...] - ETA: 0s - loss: 0.2148  
1149/1149 [=====] - 0s 208us/step - loss: 0.1714  
Epoch 7/10

10/1149 [...] - ETA: 0s - loss: 0.1277  
1149/1149 [=====] - 0s 429us/step - loss: 0.1136  
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.1133  
900/1149 [=====>...] - ETA: 0s - loss: 0.6121  
990/1148 [=====>...] - ETA: 0s - loss: 0.0915  
975/1149 [=====>...] - ETA: 0s - loss: 0.2078  
240/1149 [=====>...] - ETA: 0s - loss: 0.1326  
110/1149 [=>...] - ETA: 0s - loss: 0.1163

1120/1149 [=====>.] - ETA: 0s - loss: 0.5551  
1148/1148 [=====] - 0s 216us/step - loss: 0.0899  
Epoch 6/15

10/1148 [...] - ETA: 0s - loss: 0.0669  
1149/1149 [=====] - 0s 231us/step - loss: 0.5453  
Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.2759  
1080/1149 [=====>.] - ETA: 0s - loss: 0.2185  
460/1149 [=====>...] - ETA: 0s - loss: 0.1300  
200/1149 [====>...] - ETA: 0s - loss: 0.1503  
1149/1149 [=====] - 0s 427us/step - loss: 0.2159

210/1148 [====>...] - ETA: 0s - loss: 0.0781Epoch 19/20

5/1149 [...] - ETA: 0s - loss: 0.2945  
200/1149 [====>...] - ETA: 0s - loss: 0.3084  
650/1149 [=====>...] - ETA: 0s - loss: 0.1507  
290/1149 [=====>...] - ETA: 0s - loss: 0.1322  
450/1148 [=====>...] - ETA: 0s - loss: 0.0815  
105/1149 [=>...] - ETA: 0s - loss: 0.4141  
470/1149 [=====>...] - ETA: 0s - loss: 0.2584  
840/1149 [=====>...] - ETA: 0s - loss: 0.1457  
410/1149 [=====>...] - ETA: 0s - loss: 0.1194  
620/1148 [=====>...] - ETA: 0s - loss: 0.0802  
215/1149 [====>...] - ETA: 0s - loss: 0.2918  
680/1149 [=====>...] - ETA: 0s - loss: 0.2275  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1437  
545/1149 [=====>...] - ETA: 0s - loss: 0.1143  
820/1148 [=====>...] - ETA: 0s - loss: 0.0905  
305/1149 [====>...] - ETA: 0s - loss: 0.2577  
890/1149 [=====>...] - ETA: 0s - loss: 0.2093  
1149/1149 [=====] - 0s 247us/step - loss: 0.1469  
Epoch 8/10

10/1149 [...] - ETA: 0s - loss: 0.3023  
660/1149 [=====>...] - ETA: 0s - loss: 0.1117  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0884  
430/1149 [=====>...] - ETA: 0s - loss: 0.2314  
1120/1149 [=====>.] - ETA: 0s - loss: 0.2058  
1149/1149 [=====] - 0s 230us/step - loss: 0.2040  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.1612Epoch 1/15

10/1149 [...] - ETA: 30s - loss: 0.4605  
220/1149 [====>...] - ETA: 0s - loss: 0.1563

1148/1148 [=====] - 0s 250us/step - loss: 0.0854  
Epoch 7/15

10/1148 [...] - ETA: 0s - loss: 0.1324  
770/1149 [=====>...] - ETA: 0s - loss: 0.1044  
550/1149 [=====>...] - ETA: 0s - loss: 0.2159Epoch 1/15  
  
10/1149 [...] - ETA: 30s - loss: 0.4641  
270/1149 [=====>...] - ETA: 0s - loss: 0.1457  
60/1149 [>...] - ETA: 5s - loss: 0.5784  
450/1149 [=====>...] - ETA: 0s - loss: 0.1434  
270/1148 [=====>...] - ETA: 0s - loss: 0.0854  
885/1149 [=====>...] - ETA: 0s - loss: 0.1048  
685/1149 [=====>...] - ETA: 0s - loss: 0.2049  
570/1149 [=====>...] - ETA: 0s - loss: 0.1268  
70/1149 [>...] - ETA: 4s - loss: 1.6223  
230/1149 [=====>...] - ETA: 1s - loss: 0.6844  
670/1149 [=====>...] - ETA: 0s - loss: 0.1487  
520/1148 [=====>...] - ETA: 0s - loss: 0.0819  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1106  
800/1149 [=====>...] - ETA: 0s - loss: 0.2213  
840/1149 [=====>...] - ETA: 0s - loss: 0.1379  
130/1149 [==>...] - ETA: 2s - loss: 1.1824  
410/1149 [=====>...] - ETA: 0s - loss: 0.8458  
930/1149 [=====>...] - ETA: 0s - loss: 0.1443  
750/1148 [=====>...] - ETA: 0s - loss: 0.0850Epoch 1/15

10/1149 [...] - ETA: 32s - loss: 0.4617  
1145/1149 [=====>.] - ETA: 0s - loss: 0.1138  
1149/1149 [=====] - 1s 450us/step - loss: 0.1135

920/1149 [=====>...] - ETA: 0s - loss: 0.2185  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1424  
1149/1149 [=====] - 0s 220us/step - loss: 0.1399

680/1149 [=====>...] - ETA: 0s - loss: 0.9970Epoch 9/10

10/1149 [...] - ETA: 0s - loss: 0.0940  
260/1149 [=====>...] - ETA: 1s - loss: 1.0360  
1149/1149 [=====] - 0s 190us/step - loss: 0.1409  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.0810  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0843  
40/1149 [>...] - ETA: 9s - loss: 0.6969  
1040/1149 [=====>...] - ETA: 0s - loss: 0.2056  
1148/1148 [=====] - 0s 201us/step - loss: 0.0833  
Epoch 8/15

10/1148 [...] - ETA: 0s - loss: 0.0516  
950/1149 [=====>...] - ETA: 0s - loss: 1.0939  
280/1149 [=====>...] - ETA: 0s - loss: 0.1349  
420/1149 [=====>...] - ETA: 0s - loss: 1.1796  
250/1149 [=====>...] - ETA: 0s - loss: 0.1465  
1149/1149 [=====] - 0s 432us/step - loss: 0.2066  
Epoch 20/20

5/1149 [...] - ETA: 0s - loss: 0.1544  
1149/1149 [=====] - 1s 492us/step - loss: 1.1404

270/1148 [=====>...] - ETA: 0s - loss: 0.0789Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 0.3324  
520/1149 [=====>...] - ETA: 0s - loss: 0.1643  
570/1149 [=====>...] - ETA: 0s - loss: 1.1092  
70/1149 [>...] - ETA: 6s - loss: 1.0219  
500/1149 [=====>...] - ETA: 0s - loss: 0.1419  
140/1149 [==>...] - ETA: 0s - loss: 0.2477  
220/1149 [=====>...] - ETA: 0s - loss: 0.8518  
500/1148 [=====>...] - ETA: 0s - loss: 0.0852  
770/1149 [=====>...] - ETA: 0s - loss: 0.1450  
800/1149 [=====>...] - ETA: 0s - loss: 1.1542  
760/1149 [=====>...] - ETA: 0s - loss: 0.1332  
260/1149 [=====>...] - ETA: 0s - loss: 0.2699  
110/1149 [=>...] - ETA: 4s - loss: 0.9655  
720/1148 [=====>...] - ETA: 0s - loss: 0.0875  
390/1149 [=====>...] - ETA: 0s - loss: 0.8298  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1380  
1100/1149 [=====>..] - ETA: 0s - loss: 1.1203  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1322  
1149/1149 [=====] - 1s 561us/step - loss: 1.1063  
Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 0.2112  
390/1149 [=====>...] - ETA: 0s - loss: 0.2371  
1149/1149 [=====] - 0s 203us/step - loss: 0.1354  
Epoch 10/10

10/1149 [...] - ETA: 0s - loss: 0.0278  
1149/1149 [=====] - 0s 195us/step - loss: 0.1307  
Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.0417  
170/1149 [==>...] - ETA: 3s - loss: 0.8616  
940/1148 [=====>...] - ETA: 0s - loss: 0.0821  
510/1149 [=====>...] - ETA: 0s - loss: 0.9748

505/1149 [=====>...] - ETA: 0s - loss: 0.2581  
1148/1148 [=====] - 0s 212us/step - loss: 0.0815  
Epoch 9/15

10/1148 [...] - ETA: 0s - loss: 0.0766  
240/1149 [=====>...] - ETA: 0s - loss: 0.1166  
270/1149 [=====>...] - ETA: 0s - loss: 0.1019  
180/1149 [====>...] - ETA: 0s - loss: 0.6805  
390/1149 [=====>...] - ETA: 1s - loss: 1.1460  
700/1149 [=====>...] - ETA: 0s - loss: 0.9848  
635/1149 [=====>...] - ETA: 0s - loss: 0.2295  
280/1148 [=====>...] - ETA: 0s - loss: 0.0769  
480/1149 [=====>...] - ETA: 0s - loss: 0.1115  
510/1149 [=====>...] - ETA: 0s - loss: 0.1035  
230/1149 [=====>...] - ETA: 0s - loss: 0.8108  
590/1149 [=====>...] - ETA: 0s - loss: 1.1796  
940/1149 [=====>...] - ETA: 0s - loss: 0.9339  
750/1149 [=====>...] - ETA: 0s - loss: 0.2108  
730/1149 [=====>...] - ETA: 0s - loss: 0.1308  
530/1148 [=====>...] - ETA: 0s - loss: 0.0784  
750/1149 [=====>...] - ETA: 0s - loss: 0.1117  
380/1149 [=====>...] - ETA: 0s - loss: 0.9031  
800/1149 [=====>...] - ETA: 0s - loss: 1.0837  
1120/1149 [=====>.] - ETA: 0s - loss: 0.9187  
1149/1149 [=====] - 0s 280us/step - loss: 0.9134  
Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.9067  
880/1149 [=====>...] - ETA: 0s - loss: 0.2035  
990/1149 [=====>...] - ETA: 0s - loss: 0.1330  
780/1148 [=====>...] - ETA: 0s - loss: 0.0780  
990/1149 [=====>...] - ETA: 0s - loss: 0.1262  
660/1149 [=====>...] - ETA: 0s - loss: 0.9235  
920/1149 [=====>...] - ETA: 0s - loss: 1.0647  
150/1149 [==>...] - ETA: 0s - loss: 0.6135  
1149/1149 [=====] - 0s 205us/step - loss: 0.1339  
  
1149/1149 [=====] - 0s 210us/step - loss: 0.1239  
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.1491  
995/1149 [=====>...] - ETA: 0s - loss: 0.2035  
1040/1148 [=====>...] - ETA: 0s - loss: 0.0816  
960/1149 [=====>...] - ETA: 0s - loss: 0.9451  
1090/1149 [=====>..] - ETA: 0s - loss: 1.0670  
1148/1148 [=====] - 0s 199us/step - loss: 0.0806  
  
1149/1149 [=====] - 1s 727us/step - loss: 1.0825

Epoch 10/15

10/1148 [...] - ETA: 0s - loss: 0.0741Epoch 2/15

10/1149 [...] - ETA: 0s - loss: 1.6126

330/1149 [=====>...] - ETA: 0s - loss: 0.5361

250/1149 [=====>...] - ETA: 0s - loss: 0.1601

1149/1149 [=====] - 0s 273us/step - loss: 0.9013

1105/1149 [=====>...] - ETA: 0s - loss: 0.2019Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.9588

1149/1149 [=====] - 0s 422us/step - loss: 0.1994

220/1148 [=====>...] - ETA: 0s - loss: 0.0866

270/1149 [=====>...] - ETA: 0s - loss: 0.9312

560/1149 [=====>...] - ETA: 0s - loss: 0.5645

450/1149 [=====>...] - ETA: 0s - loss: 0.1322

170/1149 [=====>...] - ETA: 0s - loss: 0.7169

450/1148 [=====>...] - ETA: 0s - loss: 0.0817

490/1149 [=====>...] - ETA: 0s - loss: 1.0051

770/1149 [=====>...] - ETA: 0s - loss: 0.5844

670/1149 [=====>...] - ETA: 0s - loss: 0.1224

430/1149 [=====>...] - ETA: 0s - loss: 0.7292

700/1148 [=====>...] - ETA: 0s - loss: 0.0796

750/1149 [=====>...] - ETA: 0s - loss: 0.9004

1010/1149 [=====>...] - ETA: 0s - loss: 0.5471

940/1149 [=====>...] - ETA: 0s - loss: 0.1176

670/1149 [=====>...] - ETA: 0s - loss: 0.6849

1149/1149 [=====] - 0s 247us/step - loss: 0.5171

Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.1075

960/1148 [=====>...] - ETA: 0s - loss: 0.0750

1010/1149 [=====>...] - ETA: 0s - loss: 0.8730

1149/1149 [=====] - 0s 213us/step - loss: 0.1208

Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.0785

950/1149 [=====>...] - ETA: 0s - loss: 0.6120

1149/1149 [=====] - 0s 204us/step - loss: 0.9159

280/1149 [=====>...] - ETA: 0s - loss: 0.2549Epoch 3/15

10/1149 [...] - ETA: 0s - loss: 0.6209

1148/1148 [=====] - 0s 216us/step - loss: 0.0800

Epoch 11/15

10/1148 [...] - ETA: 0s - loss: 0.1346  
260/1149 [=====>...] - ETA: 0s - loss: 0.1026  
1149/1149 [=====] - 0s 219us/step - loss: 0.5621  
Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 0.4756  
500/1149 [=====>...] - ETA: 0s - loss: 0.2478  
240/1149 [=====>...] - ETA: 0s - loss: 0.6785  
200/1148 [=====>...] - ETA: 0s - loss: 0.0728Epoch 1/20

10/1148 [...] - ETA: 1:03 - loss: 0.3233  
500/1149 [=====>...] - ETA: 0s - loss: 0.1025  
210/1149 [=====>...] - ETA: 0s - loss: 0.3515  
720/1149 [=====>...] - ETA: 0s - loss: 0.2485  
470/1149 [=====>...] - ETA: 0s - loss: 0.8125  
400/1148 [=====>...] - ETA: 0s - loss: 0.0772  
710/1149 [=====>...] - ETA: 0s - loss: 0.1121  
150/1148 [==>...] - ETA: 4s - loss: 0.3301  
420/1149 [=====>...] - ETA: 0s - loss: 0.3597  
950/1149 [=====>...] - ETA: 0s - loss: 0.2341  
690/1149 [=====>...] - ETA: 0s - loss: 0.7637  
620/1148 [=====>...] - ETA: 0s - loss: 0.0809  
930/1149 [=====>...] - ETA: 0s - loss: 0.1223  
1149/1149 [=====] - 0s 214us/step - loss: 0.2244

680/1149 [=====>...] - ETA: 0s - loss: 0.3354  
230/1148 [=====>...] - ETA: 2s - loss: 0.3008Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.0852  
880/1149 [=====>...] - ETA: 0s - loss: 0.6993  
850/1148 [=====>...] - ETA: 0s - loss: 0.0818  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1185  
1149/1149 [=====] - 0s 225us/step - loss: 0.1182  
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.1857  
930/1149 [=====>...] - ETA: 0s - loss: 0.3156  
240/1149 [=====>...] - ETA: 0s - loss: 0.1490  
350/1148 [=====>...] - ETA: 1s - loss: 0.3123  
1130/1149 [=====>.] - ETA: 0s - loss: 0.6263  
1149/1149 [=====] - 0s 230us/step - loss: 0.6187  
Epoch 4/15

10/1149 [...] - ETA: 0s - loss: 2.3299  
1110/1148 [=====>.] - ETA: 0s - loss: 0.0781  
1148/1148 [=====] - 0s 236us/step - loss: 0.0796  
Epoch 12/15



10/1148 [...] - ETA: 0s - loss: 0.0717  
270/1149 [=====>...] - ETA: 0s - loss: 0.1353  
1130/1149 [=====>...] - ETA: 0s - loss: 0.2923  
460/1149 [=====>...] - ETA: 0s - loss: 0.1529  
460/1148 [=====>...] - ETA: 1s - loss: 0.3234  
1149/1149 [=====>...] - 0s 230us/step - loss: 0.2926  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.1003  
300/1149 [=====>...] - ETA: 0s - loss: 0.4066  
550/1149 [=====>...] - ETA: 0s - loss: 0.1190  
240/1148 [=====>...] - ETA: 0s - loss: 0.0710  
700/1149 [=====>...] - ETA: 0s - loss: 0.1563  
210/1149 [=====>...] - ETA: 0s - loss: 0.1790  
560/1148 [=====>...] - ETA: 0s - loss: 0.3288  
550/1149 [=====>...] - ETA: 0s - loss: 0.3794  
770/1149 [=====>...] - ETA: 0s - loss: 0.1142  
470/1148 [=====>...] - ETA: 0s - loss: 0.0780  
860/1149 [=====>...] - ETA: 0s - loss: 0.1537  
420/1149 [=====>...] - ETA: 0s - loss: 0.1786  
850/1148 [=====>...] - ETA: 0s - loss: 0.3331  
700/1149 [=====>...] - ETA: 0s - loss: 0.3490  
940/1149 [=====>...] - ETA: 0s - loss: 0.1221  
630/1148 [=====>...] - ETA: 0s - loss: 0.0766  
1148/1148 [=====>...] - 1s 810us/step - loss: 0.3263  
Epoch 2/20

10/1148 [...] - ETA: 0s - loss: 0.2155  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1711  
700/1149 [=====>...] - ETA: 0s - loss: 0.1633  
890/1149 [=====>...] - ETA: 0s - loss: 0.3420  
1149/1149 [=====>...] - 0s 246us/step - loss: 0.1660  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.1236  
1149/1149 [=====>...] - 0s 227us/step - loss: 0.1164

830/1148 [=====>...] - ETA: 0s - loss: 0.0815Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.0347  
340/1148 [=====>...] - ETA: 0s - loss: 0.2232  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1741Epoch 1/20

10/1149 [...] - ETA: 36s - loss: 1.7560  
1060/1149 [=====>...] - ETA: 0s - loss: 0.3243Epoch 1/20

10/1149 [...] - ETA: 45s - loss: 0.5007  
230/1149 [=====>...] - ETA: 0s - loss: 0.1903

1149/1149 [=====] - 0s 241us/step - loss: 0.3283  
Epoch 5/15

10/1149 [...] - ETA: 0s - loss: 0.1202  
1060/1148 [=====>...] - ETA: 0s - loss: 0.0792  
260/1149 [=====>...] - ETA: 0s - loss: 0.1243  
1149/1149 [=====] - 0s 217us/step - loss: 0.1731

530/1148 [=====>...] - ETA: 0s - loss: 0.2340Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.1293  
60/1149 [>...] - ETA: 6s - loss: 1.3218  
1148/1148 [=====] - 0s 246us/step - loss: 0.0791  
Epoch 13/15

10/1148 [...] - ETA: 0s - loss: 0.0875  
140/1149 [==>...] - ETA: 3s - loss: 1.0787  
500/1149 [=====>...] - ETA: 0s - loss: 0.1593  
270/1149 [=====>...] - ETA: 0s - loss: 0.2241  
490/1149 [=====>...] - ETA: 0s - loss: 0.1227  
770/1148 [=====>...] - ETA: 0s - loss: 0.2297  
230/1149 [=====>...] - ETA: 0s - loss: 0.1407  
130/1149 [==>...] - ETA: 3s - loss: 1.2740  
260/1148 [=====>...] - ETA: 0s - loss: 0.0773  
240/1149 [=====>...] - ETA: 1s - loss: 1.0612  
760/1149 [=====>...] - ETA: 0s - loss: 0.1677  
530/1149 [=====>...] - ETA: 0s - loss: 0.2156  
730/1149 [=====>...] - ETA: 0s - loss: 0.1289  
470/1149 [=====>...] - ETA: 0s - loss: 0.1644  
1010/1148 [=====>...] - ETA: 0s - loss: 0.2179  
510/1148 [=====>...] - ETA: 0s - loss: 0.0882  
190/1149 [==>...] - ETA: 2s - loss: 1.4081  
950/1149 [=====>...] - ETA: 0s - loss: 0.1597  
340/1149 [=====>...] - ETA: 1s - loss: 0.9908  
1148/1148 [=====] - 0s 210us/step - loss: 0.2123  
Epoch 3/20

10/1148 [...] - ETA: 0s - loss: 0.0842  
810/1149 [=====>...] - ETA: 0s - loss: 0.2051  
960/1149 [=====>...] - ETA: 0s - loss: 0.1190  
740/1149 [=====>...] - ETA: 0s - loss: 0.1525  
760/1148 [=====>...] - ETA: 0s - loss: 0.0839  
270/1149 [=====>...] - ETA: 1s - loss: 1.4893  
1149/1149 [=====] - 0s 226us/step - loss: 0.1529  
Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.1755  
470/1149 [=====>...] - ETA: 0s - loss: 1.0960

240/1148 [====>...] - ETA: 0s - loss: 0.1782  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1948  
1149/1149 [=====>...] - 0s 221us/step - loss: 0.1139  
Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1184  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1512  
1149/1149 [=====>...] - 0s 194us/step - loss: 0.1937  
Epoch 6/15

10/1149 [...] - ETA: 0s - loss: 0.2765  
1020/1148 [=====>...] - ETA: 0s - loss: 0.0792  
340/1149 [=====>...] - ETA: 1s - loss: 1.4327  
1149/1149 [=====>...] - 0s 204us/step - loss: 0.1458

220/1149 [====>...] - ETA: 0s - loss: 0.1589Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.1882  
560/1149 [=====>...] - ETA: 0s - loss: 1.1983  
460/1148 [=====>...] - ETA: 0s - loss: 0.1706  
260/1149 [=====>...] - ETA: 0s - loss: 0.0752  
1148/1148 [=====>...] - 0s 205us/step - loss: 0.0791  
Epoch 14/15

10/1148 [...] - ETA: 0s - loss: 0.1406  
230/1149 [=====>...] - ETA: 0s - loss: 0.1581  
400/1149 [=====>...] - ETA: 1s - loss: 1.3886  
500/1149 [=====>...] - ETA: 0s - loss: 0.1481  
240/1149 [=====>...] - ETA: 0s - loss: 0.1143  
640/1149 [=====>...] - ETA: 0s - loss: 1.1871  
720/1148 [=====>...] - ETA: 0s - loss: 0.1665  
540/1149 [=====>...] - ETA: 0s - loss: 0.0810  
220/1148 [=====>...] - ETA: 0s - loss: 0.0699  
440/1149 [=====>...] - ETA: 0s - loss: 0.1917  
530/1149 [=====>...] - ETA: 0s - loss: 1.3054  
730/1149 [=====>...] - ETA: 0s - loss: 0.1501  
480/1149 [=====>...] - ETA: 0s - loss: 0.1067  
810/1149 [=====>...] - ETA: 0s - loss: 1.2224  
940/1148 [=====>...] - ETA: 0s - loss: 0.1618  
740/1149 [=====>...] - ETA: 0s - loss: 0.0897  
430/1148 [=====>...] - ETA: 0s - loss: 0.0749  
680/1149 [=====>...] - ETA: 0s - loss: 0.1667  
770/1149 [=====>...] - ETA: 0s - loss: 1.2535  
880/1149 [=====>...] - ETA: 0s - loss: 0.1469  
650/1149 [=====>...] - ETA: 0s - loss: 0.1181  
1040/1149 [=====>...] - ETA: 0s - loss: 1.1667  
1148/1148 [=====>...] - 0s 227us/step - loss: 0.1544  
Epoch 4/20

10/1148 [...] - ETA: 0s - loss: 0.0240  
590/1148 [=====>...] - ETA: 0s - loss: 0.0764  
910/1149 [=====>...] - ETA: 0s - loss: 0.1041  
950/1149 [=====>...] - ETA: 0s - loss: 0.1638  
1149/1149 [=====] - 1s 740us/step - loss: 1.1541  
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 1.3255  
1000/1149 [=====>...] - ETA: 0s - loss: 1.1666  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1490  
850/1149 [=====>...] - ETA: 0s - loss: 0.1292  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1051  
210/1148 [====>...] - ETA: 0s - loss: 0.1393  
780/1148 [=====>...] - ETA: 0s - loss: 0.0773  
1149/1149 [=====] - 0s 216us/step - loss: 0.1547  
  
1149/1149 [=====] - 0s 241us/step - loss: 0.1489  
Epoch 7/15

10/1149 [...] - ETA: 0s - loss: 0.1361Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.0807  
1149/1149 [=====] - 1s 719us/step - loss: 1.1632  
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 0.6577  
1149/1149 [=====] - 0s 242us/step - loss: 0.1114

210/1149 [====>...] - ETA: 0s - loss: 0.7827Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.1508  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1314  
970/1148 [=====>...] - ETA: 0s - loss: 0.0789  
450/1148 [=====>...] - ETA: 0s - loss: 0.1256  
1149/1149 [=====] - 0s 241us/step - loss: 0.1368  
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.0744  
250/1149 [====>...] - ETA: 0s - loss: 0.1968  
220/1149 [====>...] - ETA: 0s - loss: 0.1348  
210/1149 [====>...] - ETA: 0s - loss: 1.1300  
210/1149 [====>...] - ETA: 0s - loss: 0.1012  
420/1149 [=====>...] - ETA: 0s - loss: 0.8500  
1148/1148 [=====] - 0s 263us/step - loss: 0.0790  
Epoch 15/15

10/1148 [...] - ETA: 0s - loss: 0.0468

680/1148 [=====>...] - ETA: 0s - loss: 0.1312  
240/1149 [=====>...] - ETA: 0s - loss: 0.1575  
490/1149 [=====>...] - ETA: 0s - loss: 0.1707  
380/1149 [=====>...] - ETA: 0s - loss: 0.1468  
410/1149 [=====>...] - ETA: 0s - loss: 1.2333  
630/1149 [=====>...] - ETA: 0s - loss: 0.9333  
440/1149 [=====>...] - ETA: 0s - loss: 0.1237  
920/1148 [=====>...] - ETA: 0s - loss: 0.1295  
250/1148 [=====>...] - ETA: 0s - loss: 0.0850  
730/1149 [=====>...] - ETA: 0s - loss: 0.1595  
500/1149 [=====>...] - ETA: 0s - loss: 0.1343  
580/1149 [=====>...] - ETA: 0s - loss: 0.1509  
610/1149 [=====>...] - ETA: 0s - loss: 1.1079  
870/1149 [=====>...] - ETA: 0s - loss: 0.9566  
630/1149 [=====>...] - ETA: 0s - loss: 0.1258  
1148/1148 [=====] - 0s 224us/step - loss: 0.1259  
Epoch 5/20

10/1148 [...] - ETA: 0s - loss: 0.1173  
460/1148 [=====>...] - ETA: 0s - loss: 0.0796  
730/1149 [=====>...] - ETA: 0s - loss: 0.1253  
980/1149 [=====>...] - ETA: 0s - loss: 0.1485  
790/1149 [=====>...] - ETA: 0s - loss: 0.1587  
800/1149 [=====>...] - ETA: 0s - loss: 1.1264  
1110/1149 [=====>..] - ETA: 0s - loss: 0.9013  
830/1149 [=====>...] - ETA: 0s - loss: 0.1204  
1149/1149 [=====] - 0s 234us/step - loss: 0.9025  
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.4225  
1149/1149 [=====] - 0s 213us/step - loss: 0.1445  
Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.1838  
230/1148 [=====>...] - ETA: 0s - loss: 0.1213  
670/1148 [=====>...] - ETA: 0s - loss: 0.0831  
940/1149 [=====>...] - ETA: 0s - loss: 0.1333  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1471  
1020/1149 [=====>...] - ETA: 0s - loss: 1.0359  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1132  
240/1149 [=====>...] - ETA: 0s - loss: 0.6586  
1149/1149 [=====] - 0s 250us/step - loss: 1.0049  
  
1149/1149 [=====] - 0s 245us/step - loss: 0.1107  
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.4831Epoch 14/15

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10/1149 [...] - ETA: 0s - loss: 0.0312
170/1149 [==>...] - ETA: 0s - loss: 0.2260
460/1148 [=====>...] - ETA: 0s - loss: 0.1284
1149/1149 [=====] - 0s 263us/step - loss: 0.1421

890/1148 [=====>...] - ETA: 0s - loss: 0.0796
1149/1149 [=====] - 0s 218us/step - loss: 0.1317
Epoch 8/15

10/1149 [...] - ETA: 0s - loss: 0.0669Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.1490
410/1149 [=====>...] - ETA: 0s - loss: 0.5943
270/1149 [=====>...] - ETA: 0s - loss: 0.7524
250/1149 [=====>...] - ETA: 0s - loss: 0.0964
690/1148 [=====>...] - ETA: 0s - loss: 0.1191
1130/1148 [=====>.] - ETA: 0s - loss: 0.0779
330/1149 [=====>...] - ETA: 0s - loss: 0.1751
230/1149 [=====>...] - ETA: 0s - loss: 0.1424
240/1149 [=====>...] - ETA: 0s - loss: 0.1393
1148/1148 [=====] - 0s 232us/step - loss: 0.0788

580/1149 [=====>...] - ETA: 0s - loss: 0.5948
490/1149 [=====>...] - ETA: 0s - loss: 0.7186
450/1149 [=====>...] - ETA: 0s - loss: 0.0955
900/1148 [=====>...] - ETA: 0s - loss: 0.1137
550/1149 [=====>...] - ETA: 0s - loss: 0.1520
440/1149 [=====>...] - ETA: 0s - loss: 0.1353
470/1149 [=====>...] - ETA: 0s - loss: 0.1245
790/1149 [=====>...] - ETA: 0s - loss: 0.5526
700/1149 [=====>...] - ETA: 0s - loss: 0.7389
670/1149 [=====>...] - ETA: 0s - loss: 0.0902
1120/1148 [=====>.] - ETA: 0s - loss: 0.1088
800/1149 [=====>...] - ETA: 0s - loss: 0.1427
660/1149 [=====>...] - ETA: 0s - loss: 0.1214
660/1149 [=====>...] - ETA: 0s - loss: 0.1268
1148/1148 [=====] - 0s 232us/step - loss: 0.1091
Epoch 6/20

10/1148 [...] - ETA: 0s - loss: 0.0756
1030/1149 [=====>...] - ETA: 0s - loss: 0.5139
920/1149 [=====>...] - ETA: 0s - loss: 0.6656
860/1149 [=====>...] - ETA: 0s - loss: 0.1015
1020/1149 [=====>...] - ETA: 0s - loss: 0.1419
900/1149 [=====>...] - ETA: 0s - loss: 0.1332
890/1149 [=====>...] - ETA: 0s - loss: 0.1298
220/1148 [=====>...] - ETA: 0s - loss: 0.1047
1149/1149 [=====] - 0s 253us/step - loss: 0.5157

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Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.2441  
1149/1149 [=====] - 0s 263us/step - loss: 0.1416  
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.1111  
1100/1149 [=====>..] - ETA: 0s - loss: 0.6664  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1099  
1090/1149 [=====>..] - ETA: 0s - loss: 0.1375  
1130/1149 [=====>..] - ETA: 0s - loss: 0.1295  
1149/1149 [=====] - 0s 236us/step - loss: 0.6612

450/1148 [=====>...] - ETA: 0s - loss: 0.1084Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.5324  
1149/1149 [=====] - 0s 232us/step - loss: 0.1291  
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.1084  
1149/1149 [=====] - 0s 240us/step - loss: 0.1093

260/1149 [=====>...] - ETA: 0s - loss: 0.2543Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.0509  
1149/1149 [=====] - 0s 242us/step - loss: 0.1371  
Epoch 9/15

10/1149 [...] - ETA: 0s - loss: 0.0895  
180/1149 [===>...] - ETA: 0s - loss: 0.0988  
170/1149 [===>...] - ETA: 0s - loss: 0.4959  
660/1148 [=====>...] - ETA: 0s - loss: 0.1056  
230/1149 [=====>...] - ETA: 0s - loss: 0.1025  
480/1149 [=====>...] - ETA: 0s - loss: 0.2754  
230/1149 [=====>...] - ETA: 0s - loss: 0.1052  
200/1149 [=====>...] - ETA: 0s - loss: 0.1135  
420/1149 [=====>...] - ETA: 0s - loss: 0.1255  
440/1149 [=====>...] - ETA: 0s - loss: 0.4270  
860/1148 [=====>...] - ETA: 0s - loss: 0.1001  
440/1149 [=====>...] - ETA: 0s - loss: 0.1006  
680/1149 [=====>...] - ETA: 0s - loss: 0.2623  
430/1149 [=====>...] - ETA: 0s - loss: 0.0991  
390/1149 [=====>...] - ETA: 0s - loss: 0.1119  
670/1149 [=====>...] - ETA: 0s - loss: 0.1437  
630/1149 [=====>...] - ETA: 0s - loss: 0.4249  
1040/1148 [=====>...] - ETA: 0s - loss: 0.1046  
630/1149 [=====>...] - ETA: 0s - loss: 0.1064  
890/1149 [=====>...] - ETA: 0s - loss: 0.2541

620/1149 [=====>...] - ETA: 0s - loss: 0.0989  
620/1149 [=====>...] - ETA: 0s - loss: 0.1230  
1148/1148 [=====] - 0s 251us/step - loss: 0.1008  
Epoch 7/20

10/1148 [...] - ETA: 0s - loss: 0.1168  
910/1149 [=====>...] - ETA: 0s - loss: 0.1411  
840/1149 [=====>...] - ETA: 0s - loss: 0.3833  
1090/1149 [=====>...] - ETA: 0s - loss: 0.2388  
860/1149 [=====>...] - ETA: 0s - loss: 0.1168  
810/1149 [=====>...] - ETA: 0s - loss: 0.0937  
830/1149 [=====>...] - ETA: 0s - loss: 0.1313  
1149/1149 [=====] - 0s 237us/step - loss: 0.2329  
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.0918  
190/1148 [====>...] - ETA: 0s - loss: 0.1342  
1120/1149 [=====>...] - ETA: 0s - loss: 0.1392  
1149/1149 [=====] - 0s 234us/step - loss: 0.1397  
Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.1165  
1050/1149 [=====>...] - ETA: 0s - loss: 0.3683  
1070/1149 [=====>...] - ETA: 0s - loss: 0.1303  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1079  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1308  
1149/1149 [=====] - 0s 242us/step - loss: 0.3681  
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.1688  
1149/1149 [=====] - 0s 243us/step - loss: 0.1277  
  
240/1149 [=====>...] - ETA: 0s - loss: 0.1000Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.0798  
410/1148 [=====>...] - ETA: 0s - loss: 0.1110  
1149/1149 [=====] - 0s 249us/step - loss: 0.1341  
Epoch 10/15

10/1149 [...] - ETA: 0s - loss: 0.0286  
1149/1149 [=====] - 0s 262us/step - loss: 0.1075

220/1149 [=====>...] - ETA: 0s - loss: 0.1463  
240/1149 [=====>...] - ETA: 0s - loss: 0.2916  
460/1149 [=====>...] - ETA: 0s - loss: 0.1366  
240/1149 [=====>...] - ETA: 0s - loss: 0.1622  
640/1148 [=====>...] - ETA: 0s - loss: 0.1060  
220/1149 [=====>...] - ETA: 0s - loss: 0.1905



380/1149 [=====>...] - ETA: 0s - loss: 0.1399  
 480/1149 [=====>...] - ETA: 0s - loss: 0.2537  
 690/1149 [=====>...] - ETA: 0s - loss: 0.1505  
 470/1149 [=====>...] - ETA: 0s - loss: 0.1241  
 890/1148 [=====>...] - ETA: 0s - loss: 0.1022  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1576  
 560/1149 [=====>...] - ETA: 0s - loss: 0.1460  
 930/1149 [=====>...] - ETA: 0s - loss: 0.1424  
 710/1149 [=====>...] - ETA: 0s - loss: 0.2561  
 710/1149 [=====>...] - ETA: 0s - loss: 0.1145  
 1148/1148 [=====] - 0s 224us/step - loss: 0.0967  
 Epoch 8/20

10/1148 [...] - ETA: 0s - loss: 0.0189  
 710/1149 [=====>...] - ETA: 0s - loss: 0.1423  
 790/1149 [=====>...] - ETA: 0s - loss: 0.1430  
 1149/1149 [=====] - 0s 223us/step - loss: 0.1413  
 Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.0715  
 840/1149 [=====>...] - ETA: 0s - loss: 0.1282  
 830/1149 [=====>...] - ETA: 0s - loss: 0.2438  
 280/1148 [=====>...] - ETA: 0s - loss: 0.0827  
 950/1149 [=====>...] - ETA: 0s - loss: 0.1359  
 1050/1149 [=====>...] - ETA: 0s - loss: 0.1390  
 1149/1149 [=====] - 0s 242us/step - loss: 0.1379  
 Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1876  
 270/1149 [=====>...] - ETA: 0s - loss: 0.1831  
 930/1149 [=====>...] - ETA: 0s - loss: 0.1258  
 530/1148 [=====>...] - ETA: 0s - loss: 0.0865  
 1149/1149 [=====] - 0s 216us/step - loss: 0.1308

940/1149 [=====>...] - ETA: 0s - loss: 0.2368Epoch 11/15

10/1149 [...] - ETA: 0s - loss: 0.1719  
 250/1149 [=====>...] - ETA: 0s - loss: 0.1219  
 480/1149 [=====>...] - ETA: 0s - loss: 0.1429Epoch 1/20

10/1149 [...] - ETA: 35s - loss: 1.8853  
 1149/1149 [=====] - 0s 275us/step - loss: 0.2240

1120/1149 [=====>.] - ETA: 0s - loss: 0.1288  
 740/1148 [=====>...] - ETA: 0s - loss: 0.0999Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.1132  
 220/1149 [=====>...] - ETA: 0s - loss: 0.1136

1149/1149 [=====] - 0s 278us/step - loss: 0.1268  
Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1730  
510/1149 [=====>...] - ETA: 0s - loss: 0.1213  
660/1149 [=====>...] - ETA: 0s - loss: 0.1385  
70/1149 [>...] - ETA: 5s - loss: 0.9568  
990/1148 [=====>...] - ETA: 0s - loss: 0.0965  
250/1149 [=====>...] - ETA: 0s - loss: 0.1845  
480/1149 [=====>...] - ETA: 0s - loss: 0.1067  
250/1149 [=====>...] - ETA: 0s - loss: 0.1246  
1148/1148 [=====] - 0s 208us/step - loss: 0.0938  
Epoch 9/20

10/1148 [...] - ETA: 0s - loss: 0.0965  
740/1149 [=====>...] - ETA: 0s - loss: 0.1403  
880/1149 [=====>...] - ETA: 0s - loss: 0.1338  
200/1149 [=====>...] - ETA: 1s - loss: 1.0462  
530/1149 [=====>...] - ETA: 0s - loss: 0.1679  
710/1149 [=====>...] - ETA: 0s - loss: 0.1283  
500/1149 [=====>...] - ETA: 0s - loss: 0.1187  
220/1148 [=====>...] - ETA: 0s - loss: 0.0741  
970/1149 [=====>...] - ETA: 0s - loss: 0.1347  
1130/1149 [=====>.] - ETA: 0s - loss: 0.1302  
800/1149 [=====>...] - ETA: 0s - loss: 0.1547  
1149/1149 [=====] - 0s 234us/step - loss: 0.1293

930/1149 [=====>...] - ETA: 0s - loss: 0.1337Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.0479  
300/1149 [=====>...] - ETA: 1s - loss: 1.0463  
800/1149 [=====>...] - ETA: 0s - loss: 0.1245  
1149/1149 [=====] - 0s 219us/step - loss: 0.1377  
Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.0506  
470/1148 [=====>...] - ETA: 0s - loss: 0.0794  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1643  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1310  
240/1149 [=====>...] - ETA: 0s - loss: 0.1524  
380/1149 [=====>...] - ETA: 1s - loss: 1.1147  
1149/1149 [=====] - 0s 229us/step - loss: 0.1298

1030/1149 [=====>...] - ETA: 0s - loss: 0.1273Epoch 12/15

10/1149 [...] - ETA: 0s - loss: 0.1312  
1149/1149 [=====] - 0s 202us/step - loss: 0.1601  
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.1405  
1149/1149 [=====] - 0s 199us/step - loss: 0.1254  
Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.0297  
260/1149 [=====>...] - ETA: 0s - loss: 0.1211  
710/1148 [=====>...] - ETA: 0s - loss: 0.0905  
510/1149 [=====>...] - ETA: 0s - loss: 0.1417  
300/1149 [=====>...] - ETA: 0s - loss: 0.1001  
460/1149 [=====>...] - ETA: 0s - loss: 1.1805  
240/1149 [=====>...] - ETA: 0s - loss: 0.1294  
260/1149 [=====>...] - ETA: 0s - loss: 0.1518  
520/1149 [=====>...] - ETA: 0s - loss: 0.1215  
960/1148 [=====>...] - ETA: 0s - loss: 0.0907  
780/1149 [=====>...] - ETA: 0s - loss: 0.1303  
540/1149 [=====>...] - ETA: 0s - loss: 0.1000  
560/1149 [=====>...] - ETA: 0s - loss: 1.1129  
1148/1148 [=====] - 0s 214us/step - loss: 0.0917  
Epoch 10/20

10/1148 [...] - ETA: 0s - loss: 0.0436  
500/1149 [=====>...] - ETA: 0s - loss: 0.1563  
530/1149 [=====>...] - ETA: 0s - loss: 0.1309  
770/1149 [=====>...] - ETA: 0s - loss: 0.1214  
970/1149 [=====>...] - ETA: 0s - loss: 0.1272  
780/1149 [=====>...] - ETA: 0s - loss: 0.1058  
680/1149 [=====>...] - ETA: 0s - loss: 1.0840  
740/1149 [=====>...] - ETA: 0s - loss: 0.1549  
270/1148 [=====>...] - ETA: 0s - loss: 0.0996  
780/1149 [=====>...] - ETA: 0s - loss: 0.1292  
950/1149 [=====>...] - ETA: 0s - loss: 0.1230  
1149/1149 [=====] - 0s 219us/step - loss: 0.1246  
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.0837  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1203  
760/1149 [=====>...] - ETA: 0s - loss: 1.1524Epoch 1/20

10/1149 [...] - ETA: 50s - loss: 0.9933  
1149/1149 [=====] - 0s 194us/step - loss: 0.1287

970/1149 [=====>...] - ETA: 0s - loss: 0.1465  
480/1148 [=====>...] - ETA: 0s - loss: 0.0926Epoch 13/15

10/1149 [...] - ETA: 0s - loss: 0.0835  
1149/1149 [=====] - 0s 221us/step - loss: 0.1355

1080/1149 [=====>...] - ETA: 0s - loss: 0.1275Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.1080  
1149/1149 [=====] - 0s 192us/step - loss: 0.1239  
Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.1042  
280/1149 [=====>...] - ETA: 0s - loss: 0.1480  
1149/1149 [=====] - 0s 214us/step - loss: 0.1419  
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.1125  
950/1149 [=====>...] - ETA: 0s - loss: 1.1220  
50/1149 [>...] - ETA: 10s - loss: 1.5321  
690/1148 [=====>...] - ETA: 0s - loss: 0.0908  
240/1149 [=====>...] - ETA: 0s - loss: 0.1393  
260/1149 [=====>...] - ETA: 0s - loss: 0.1684  
200/1149 [=====>...] - ETA: 0s - loss: 0.1578  
540/1149 [=====>...] - ETA: 0s - loss: 0.1281  
1149/1149 [=====] - 1s 731us/step - loss: 1.1014  
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 1.1800  
250/1149 [=====>...] - ETA: 0s - loss: 0.1158  
450/1149 [=====>...] - ETA: 0s - loss: 0.1430  
900/1148 [=====>...] - ETA: 0s - loss: 0.0902  
510/1149 [=====>...] - ETA: 0s - loss: 0.1541  
130/1149 [==>...] - ETA: 4s - loss: 1.4989  
420/1149 [=====>...] - ETA: 0s - loss: 0.1342  
800/1149 [=====>...] - ETA: 0s - loss: 0.1334  
290/1149 [=====>...] - ETA: 0s - loss: 1.1289  
490/1149 [=====>...] - ETA: 0s - loss: 0.1433  
690/1149 [=====>...] - ETA: 0s - loss: 0.1277  
1110/1148 [=====>.] - ETA: 0s - loss: 0.0906  
760/1149 [=====>...] - ETA: 0s - loss: 0.1378  
210/1149 [=====>...] - ETA: 2s - loss: 1.3250  
1148/1148 [=====] - 0s 236us/step - loss: 0.0902  
Epoch 11/20

10/1148 [...] - ETA: 0s - loss: 0.1181  
640/1149 [=====>...] - ETA: 0s - loss: 0.1418  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1228  
490/1149 [=====>...] - ETA: 0s - loss: 1.1013  
700/1149 [=====>...] - ETA: 0s - loss: 0.1273  
1149/1149 [=====] - 0s 205us/step - loss: 0.1220  
  
910/1149 [=====>...] - ETA: 0s - loss: 0.1332Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.0974  
 990/1149 [=====>...] - ETA: 0s - loss: 0.1399  
 260/1148 [=====>...] - ETA: 0s - loss: 0.0900  
 350/1149 [=====>...] - ETA: 1s - loss: 1.3737  
 880/1149 [=====>...] - ETA: 0s - loss: 0.1349  
 660/1149 [=====>...] - ETA: 0s - loss: 1.0481  
 920/1149 [=====>...] - ETA: 0s - loss: 0.1352  
 1149/1149 [=====] - 0s 216us/step - loss: 0.1268  
 Epoch 14/15

10/1149 [...] - ETA: 0s - loss: 0.0302  
 1149/1149 [=====] - 0s 220us/step - loss: 0.1336  
 Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.1978  
 230/1149 [=====>...] - ETA: 0s - loss: 0.0958  
 520/1148 [=====>...] - ETA: 0s - loss: 0.0915  
 470/1149 [=====>...] - ETA: 1s - loss: 1.3310  
 1110/1149 [=====>...] - ETA: 0s - loss: 0.1246  
 1149/1149 [=====] - 0s 234us/step - loss: 0.1234  
 930/1149 [=====>...] - ETA: 0s - loss: 0.9470Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.0547  
 1149/1149 [=====] - 0s 223us/step - loss: 0.1357  
 Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.1296  
 190/1149 [====>...] - ETA: 0s - loss: 0.1365  
 220/1149 [====>...] - ETA: 0s - loss: 0.1423  
 450/1149 [=====>...] - ETA: 0s - loss: 0.1350  
 740/1148 [=====>...] - ETA: 0s - loss: 0.0915  
 570/1149 [=====>...] - ETA: 0s - loss: 1.2816  
 1149/1149 [=====] - 0s 220us/step - loss: 0.8833  
 Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.2727  
 270/1149 [=====>...] - ETA: 0s - loss: 0.1368  
 230/1149 [=====>...] - ETA: 0s - loss: 0.1355  
 390/1149 [=====>...] - ETA: 0s - loss: 0.1319  
 680/1149 [=====>...] - ETA: 0s - loss: 0.1274  
 430/1149 [=====>...] - ETA: 0s - loss: 0.1304  
 940/1148 [=====>...] - ETA: 0s - loss: 0.0933  
 690/1149 [=====>...] - ETA: 0s - loss: 1.1659  
 270/1149 [=====>...] - ETA: 0s - loss: 0.7341  
 530/1149 [=====>...] - ETA: 0s - loss: 0.1113  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1106  
 570/1149 [=====>...] - ETA: 0s - loss: 0.1445

890/1149 [=====>...] - ETA: 0s - loss: 0.1218  
630/1149 [=====>...] - ETA: 0s - loss: 0.1427  
1148/1148 [=====] - 0s 227us/step - loss: 0.0887  
Epoch 12/20

10/1148 [...] - ETA: 0s - loss: 0.0483  
850/1149 [=====>...] - ETA: 0s - loss: 1.1645  
450/1149 [=====>...] - ETA: 0s - loss: 0.5951  
690/1149 [=====>...] - ETA: 0s - loss: 0.1027  
720/1149 [=====>...] - ETA: 0s - loss: 0.1298  
770/1149 [=====>...] - ETA: 0s - loss: 0.1346  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1213  
840/1149 [=====>...] - ETA: 0s - loss: 0.1379  
1149/1149 [=====] - 0s 225us/step - loss: 0.1212  
Epoch 10/20

10/1149 [...] - ETA: 0s - loss: 0.1085  
250/1148 [=====>...] - ETA: 0s - loss: 0.0907  
1060/1149 [=====>...] - ETA: 0s - loss: 1.1058  
600/1149 [=====>...] - ETA: 0s - loss: 0.5458  
840/1149 [=====>...] - ETA: 0s - loss: 0.1231  
990/1149 [=====>...] - ETA: 0s - loss: 0.1306  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1297  
1149/1149 [=====] - 1s 831us/step - loss: 1.0668  
Epoch 2/20

10/1149 [...] - ETA: 0s - loss: 0.7746  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1322  
260/1149 [=====>...] - ETA: 0s - loss: 0.0906  
1149/1149 [=====] - 0s 239us/step - loss: 0.1316  
  
470/1148 [=====>...] - ETA: 0s - loss: 0.0873  
1149/1149 [=====] - 0s 255us/step - loss: 0.1255  
Epoch 15/15

10/1149 [...] - ETA: 0s - loss: 0.1714  
790/1149 [=====>...] - ETA: 0s - loss: 0.5091  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1231  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1322  
250/1149 [=====>...] - ETA: 0s - loss: 0.9087  
1149/1149 [=====] - 0s 233us/step - loss: 0.1318  
Epoch 10/20

10/1149 [...] - ETA: 0s - loss: 0.1222  
1149/1149 [=====] - 0s 243us/step - loss: 0.1224  
  
480/1149 [=====>...] - ETA: 0s - loss: 0.0946  
690/1148 [=====>...] - ETA: 0s - loss: 0.0850

1040/1149 [=====>...] - ETA: 0s - loss: 0.4675  
230/1149 [=====>...] - ETA: 0s - loss: 0.1560  
1149/1149 [=====] - 0s 241us/step - loss: 0.4556  
Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.2603  
530/1149 [=====>...] - ETA: 0s - loss: 0.8523  
160/1149 [====>...] - ETA: 0s - loss: 0.1314  
750/1149 [=====>...] - ETA: 0s - loss: 0.1081  
930/1148 [=====>...] - ETA: 0s - loss: 0.0893  
520/1149 [=====>...] - ETA: 0s - loss: 0.1281  
310/1149 [=====>...] - ETA: 0s - loss: 0.2212  
780/1149 [=====>...] - ETA: 0s - loss: 0.8736  
410/1149 [=====>...] - ETA: 0s - loss: 0.1462  
990/1149 [=====>...] - ETA: 0s - loss: 0.1170  
1148/1148 [=====] - 0s 222us/step - loss: 0.0877  
Epoch 13/20

10/1148 [...] - ETA: 0s - loss: 0.1122  
760/1149 [=====>...] - ETA: 0s - loss: 0.1263  
1149/1149 [=====] - 0s 215us/step - loss: 0.1195  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.0623  
570/1149 [=====>...] - ETA: 0s - loss: 0.2155  
1030/1149 [=====>...] - ETA: 0s - loss: 0.8697  
670/1149 [=====>...] - ETA: 0s - loss: 0.1308  
260/1148 [=====>...] - ETA: 0s - loss: 0.0850  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1223  
1149/1149 [=====] - 0s 212us/step - loss: 0.8808  
Epoch 3/20

10/1149 [...] - ETA: 0s - loss: 0.6769  
160/1149 [====>...] - ETA: 0s - loss: 0.0933  
840/1149 [=====>...] - ETA: 0s - loss: 0.1897  
960/1149 [=====>...] - ETA: 0s - loss: 0.1320  
1149/1149 [=====] - 0s 211us/step - loss: 0.1239

480/1148 [=====>...] - ETA: 0s - loss: 0.0913  
230/1149 [=====>...] - ETA: 0s - loss: 0.7018  
1149/1149 [=====] - 0s 213us/step - loss: 0.1289  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.3646  
400/1149 [=====>...] - ETA: 0s - loss: 0.1213  
970/1149 [=====>...] - ETA: 0s - loss: 0.2028  
740/1148 [=====>...] - ETA: 0s - loss: 0.0884  
510/1149 [=====>...] - ETA: 0s - loss: 0.6966

240/1149 [====>...] - ETA: 0s - loss: 0.1772  
660/1149 [=====>...] - ETA: 0s - loss: 0.1139  
1149/1149 [=====] - 0s 224us/step - loss: 0.1932  
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.1034  
970/1148 [=====>...] - ETA: 0s - loss: 0.0885  
740/1149 [=====>...] - ETA: 0s - loss: 0.6617  
470/1149 [=====>...] - ETA: 0s - loss: 0.1362  
870/1149 [=====>...] - ETA: 0s - loss: 0.1164  
280/1149 [=====>...] - ETA: 0s - loss: 0.1345  
1148/1148 [=====] - 0s 212us/step - loss: 0.0872  
Epoch 14/20

10/1148 [...] - ETA: 0s - loss: 0.0092  
920/1149 [=====>...] - ETA: 0s - loss: 0.6080  
1090/1149 [=====>...] - ETA: 0s - loss: 0.1118  
640/1149 [=====>...] - ETA: 0s - loss: 0.1333  
520/1149 [=====>...] - ETA: 0s - loss: 0.1314  
280/1148 [=====>...] - ETA: 0s - loss: 0.0806  
1149/1149 [=====] - 0s 235us/step - loss: 0.1181  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1022  
1120/1149 [=====>...] - ETA: 0s - loss: 0.5858  
1149/1149 [=====] - 0s 231us/step - loss: 0.5778

830/1149 [=====>...] - ETA: 0s - loss: 0.1314Epoch 4/20

10/1149 [...] - ETA: 0s - loss: 0.1960  
760/1149 [=====>...] - ETA: 0s - loss: 0.1559  
500/1148 [=====>...] - ETA: 0s - loss: 0.0794  
230/1149 [=====>...] - ETA: 0s - loss: 0.1397  
1050/1149 [=====>...] - ETA: 0s - loss: 0.1299  
230/1149 [=====>...] - ETA: 0s - loss: 0.4027  
970/1149 [=====>...] - ETA: 0s - loss: 0.1462  
710/1148 [=====>...] - ETA: 0s - loss: 0.0792  
440/1149 [=====>...] - ETA: 0s - loss: 0.1365  
1149/1149 [=====] - 0s 251us/step - loss: 0.1284  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.0850Epoch 1/5

20/1148 [...] - ETA: 16s - loss: 0.3096  
1149/1149 [=====] - 0s 214us/step - loss: 0.1439  
Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.2197



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470/1149 [=====>...] - ETA: 0s - loss: 0.3384
930/1148 [=====>...] - ETA: 0s - loss: 0.0832
660/1149 [=====>...] - ETA: 0s - loss: 0.1254
230/1149 [=====>...] - ETA: 0s - loss: 0.1424
200/1148 [=====>...] - ETA: 1s - loss: 0.4241
250/1149 [=====>...] - ETA: 0s - loss: 0.1450
710/1149 [=====>...] - ETA: 0s - loss: 0.3166
1140/1148 [=====>.] - ETA: 0s - loss: 0.0865
1148/1148 [=====] - 0s 227us/step - loss: 0.0861
Epoch 15/20

10/1148 [...] - ETA: 0s - loss: 0.0372
870/1149 [=====>...] - ETA: 0s - loss: 0.1267
450/1149 [=====>...] - ETA: 0s - loss: 0.1297
480/1148 [=====>...] - ETA: 0s - loss: 0.3718
470/1149 [=====>...] - ETA: 0s - loss: 0.1300
980/1149 [=====>...] - ETA: 0s - loss: 0.3022
250/1148 [=====>...] - ETA: 0s - loss: 0.0832
1090/1149 [=====>..] - ETA: 0s - loss: 0.1194Epoch 1/5

20/1149 [...] - ETA: 18s - loss: 1.7877
720/1149 [=====>...] - ETA: 0s - loss: 0.1369
1149/1149 [=====] - 0s 235us/step - loss: 0.1174
Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.2471
1149/1149 [=====] - 0s 206us/step - loss: 0.2860
Epoch 5/20

10/1149 [...] - ETA: 0s - loss: 0.0444
740/1148 [=====>...] - ETA: 0s - loss: 0.3682
700/1149 [=====>...] - ETA: 0s - loss: 0.1241
500/1148 [=====>...] - ETA: 0s - loss: 0.0941
160/1149 [====>...] - ETA: 2s - loss: 1.2658
980/1149 [=====>...] - ETA: 0s - loss: 0.1260
290/1149 [=====>...] - ETA: 0s - loss: 0.1132
280/1149 [=====>...] - ETA: 0s - loss: 0.1901
980/1148 [=====>...] - ETA: 0s - loss: 0.3611
980/1149 [=====>...] - ETA: 0s - loss: 0.1354
1149/1149 [=====] - 0s 205us/step - loss: 0.1261
Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.0772
1148/1148 [=====] - 1s 453us/step - loss: 0.3553
Epoch 2/5

20/1148 [...] - ETA: 0s - loss: 0.4655
740/1148 [=====>...] - ETA: 0s - loss: 0.0900

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320/1149 [=====>...] - ETA: 1s - loss: 1.1434  
1149/1149 [=====] - 0s 207us/step - loss: 0.1357  
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.0835  
540/1149 [=====>...] - ETA: 0s - loss: 0.1137  
510/1149 [=====>...] - ETA: 0s - loss: 0.1637  
260/1149 [=====>...] - ETA: 0s - loss: 0.0912  
360/1148 [=====>...] - ETA: 0s - loss: 0.3267  
980/1148 [=====>...] - ETA: 0s - loss: 0.0876  
520/1149 [=====>...] - ETA: 0s - loss: 1.2744  
250/1149 [=====>...] - ETA: 0s - loss: 0.1159  
780/1149 [=====>...] - ETA: 0s - loss: 0.1109  
750/1149 [=====>...] - ETA: 0s - loss: 0.1752  
1148/1148 [=====] - 0s 211us/step - loss: 0.0856  
Epoch 16/20

10/1148 [...] - ETA: 0s - loss: 0.0770  
520/1149 [=====>...] - ETA: 0s - loss: 0.1253  
640/1148 [=====>...] - ETA: 0s - loss: 0.3075  
720/1149 [=====>...] - ETA: 0s - loss: 1.2165  
510/1149 [=====>...] - ETA: 0s - loss: 0.1108  
1010/1149 [=====>...] - ETA: 0s - loss: 0.1118  
990/1149 [=====>...] - ETA: 0s - loss: 0.1704  
220/1148 [=====>...] - ETA: 0s - loss: 0.0947  
1149/1149 [=====] - 0s 206us/step - loss: 0.1159

760/1149 [=====>...] - ETA: 0s - loss: 0.1357Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0642  
1040/1148 [=====>...] - ETA: 0s - loss: 0.2943  
1149/1149 [=====] - 0s 211us/step - loss: 0.1760  
Epoch 6/20

10/1149 [...] - ETA: 0s - loss: 0.0822  
750/1149 [=====>...] - ETA: 0s - loss: 0.1364  
880/1149 [=====>...] - ETA: 0s - loss: 1.1796Epoch 1/5

20/1149 [...] - ETA: 24s - loss: 1.3609  
1148/1148 [=====] - 0s 157us/step - loss: 0.2931  
Epoch 3/5

20/1148 [...] - ETA: 0s - loss: 0.4187  
470/1148 [=====>...] - ETA: 0s - loss: 0.0885  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1299  
250/1149 [=====>...] - ETA: 0s - loss: 0.0828  
270/1149 [=====>...] - ETA: 0s - loss: 0.1830  
1149/1149 [=====] - 1s 563us/step - loss: 1.1793

Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 1.0470  
980/1149 [=====>...] - ETA: 0s - loss: 0.1327  
420/1149 [=====>...] - ETA: 0s - loss: 1.1805  
460/1148 [=====>...] - ETA: 0s - loss: 0.2644  
1149/1149 [=====] - 0s 212us/step - loss: 0.1270  
Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.2676  
700/1148 [=====>...] - ETA: 0s - loss: 0.0864  
480/1149 [=====>...] - ETA: 0s - loss: 0.1162  
1149/1149 [=====] - 0s 217us/step - loss: 0.1312  
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.1970  
510/1149 [=====>...] - ETA: 0s - loss: 0.1710  
400/1149 [=====>...] - ETA: 0s - loss: 1.0924  
820/1149 [=====>...] - ETA: 0s - loss: 1.2109  
920/1148 [=====>...] - ETA: 0s - loss: 0.2397  
250/1149 [=====>...] - ETA: 0s - loss: 0.1676  
930/1148 [=====>...] - ETA: 0s - loss: 0.0834  
1148/1148 [=====] - 0s 116us/step - loss: 0.2250  
Epoch 4/5

20/1148 [...] - ETA: 0s - loss: 0.3088  
670/1149 [=====>...] - ETA: 0s - loss: 0.1094  
200/1149 [=====>...] - ETA: 0s - loss: 0.0940  
750/1149 [=====>...] - ETA: 0s - loss: 0.1585  
1148/1148 [=====] - 0s 216us/step - loss: 0.0850  
Epoch 17/20

10/1148 [...] - ETA: 0s - loss: 0.2001  
760/1149 [=====>...] - ETA: 0s - loss: 1.1719  
530/1149 [=====>...] - ETA: 0s - loss: 0.1344  
1149/1149 [=====] - 1s 534us/step - loss: 1.1742  
Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 0.5474  
480/1148 [=====>...] - ETA: 0s - loss: 0.1945  
890/1149 [=====>...] - ETA: 0s - loss: 0.1177  
430/1149 [=====>...] - ETA: 0s - loss: 0.1573  
970/1149 [=====>...] - ETA: 0s - loss: 0.1589  
210/1148 [=====>...] - ETA: 0s - loss: 0.0846  
740/1149 [=====>...] - ETA: 0s - loss: 0.1263  
900/1149 [=====>...] - ETA: 0s - loss: 1.1644  
100/1149 [=>...] - ETA: 0s - loss: 0.9352  
1080/1149 [=====>...] - ETA: 0s - loss: 0.1144

680/1148 [=====>...] - ETA: 0s - loss: 0.1872  
1149/1149 [=====] - 0s 223us/step - loss: 0.1503  
Epoch 7/20

10/1149 [...] - ETA: 0s - loss: 0.1442  
640/1149 [=====>...] - ETA: 0s - loss: 0.1466  
1149/1149 [=====] - 0s 244us/step - loss: 0.1139  
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.1167  
930/1149 [=====>...] - ETA: 0s - loss: 0.1233  
1149/1149 [=====] - 0s 198us/step - loss: 1.1091

390/1148 [=====>...] - ETA: 0s - loss: 0.0863Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 1.2101  
960/1148 [=====>...] - ETA: 0s - loss: 0.1844  
180/1149 [====>...] - ETA: 0s - loss: 0.1347  
820/1149 [=====>...] - ETA: 0s - loss: 0.1379  
300/1149 [=====>...] - ETA: 0s - loss: 0.1101  
1148/1148 [=====] - 0s 154us/step - loss: 0.1773  
Epoch 5/5

20/1148 [...] - ETA: 0s - loss: 0.1655  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1267  
540/1149 [=====>...] - ETA: 0s - loss: 1.0340  
530/1148 [=====>...] - ETA: 0s - loss: 0.0798  
1149/1149 [=====] - 0s 238us/step - loss: 0.1251  
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.1270  
350/1149 [=====>...] - ETA: 0s - loss: 0.1207  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1309  
590/1149 [=====>...] - ETA: 0s - loss: 0.1084  
180/1149 [====>...] - ETA: 1s - loss: 0.9997  
400/1148 [=====>...] - ETA: 0s - loss: 0.1545  
1040/1149 [=====>...] - ETA: 0s - loss: 0.9756  
680/1148 [=====>...] - ETA: 0s - loss: 0.0855  
180/1149 [====>...] - ETA: 0s - loss: 0.1385  
1149/1149 [=====] - 0s 107us/step - loss: 0.9650  
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.9307  
1149/1149 [=====] - 0s 269us/step - loss: 0.1284

510/1149 [=====>...] - ETA: 0s - loss: 0.1140Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.1543

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760/1149 [=====>...] - ETA: 0s - loss: 0.1138
540/1149 [=====>...] - ETA: 0s - loss: 1.0883
700/1148 [=====>...] - ETA: 0s - loss: 0.1473
930/1148 [=====>...] - ETA: 0s - loss: 0.0885
340/1149 [=====>...] - ETA: 0s - loss: 0.1211
300/1149 [=====>...] - ETA: 0s - loss: 0.8600
650/1149 [=====>...] - ETA: 0s - loss: 0.1244
130/1149 [==>...] - ETA: 0s - loss: 0.1023
910/1149 [=====>...] - ETA: 0s - loss: 0.1176
1040/1149 [=====>...] - ETA: 0s - loss: 1.1096
1000/1148 [=====>...] - ETA: 0s - loss: 0.1486
1149/1149 [=====] - 0s 265us/step - loss: 1.1399
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 0.5728
1140/1148 [=====>.] - ETA: 0s - loss: 0.0847
1148/1148 [=====] - 0s 279us/step - loss: 0.0847
Epoch 18/20

10/1148 [...] - ETA: 0s - loss: 0.0942
440/1149 [=====>...] - ETA: 0s - loss: 0.1193
480/1149 [=====>...] - ETA: 0s - loss: 0.7713
1148/1148 [=====] - 0s 161us/step - loss: 0.1532

240/1149 [=====>...] - ETA: 0s - loss: 0.1020
750/1149 [=====>...] - ETA: 0s - loss: 0.1409
1040/1149 [=====>...] - ETA: 0s - loss: 0.1166
440/1149 [=====>...] - ETA: 0s - loss: 1.0189
200/1148 [=====>...] - ETA: 0s - loss: 0.0765
570/1149 [=====>...] - ETA: 0s - loss: 0.1248
1149/1149 [=====] - 0s 255us/step - loss: 0.1129

860/1149 [=====>...] - ETA: 0s - loss: 0.7534
380/1149 [=====>...] - ETA: 0s - loss: 0.1123
1020/1149 [=====>...] - ETA: 0s - loss: 0.1482Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.1094
1149/1149 [=====] - 0s 292us/step - loss: 0.1431
Epoch 8/20

10/1149 [...] - ETA: 0s - loss: 0.0937
840/1149 [=====>...] - ETA: 0s - loss: 1.0337
400/1148 [=====>...] - ETA: 0s - loss: 0.0766
1149/1149 [=====] - 0s 173us/step - loss: 0.7568

750/1149 [=====>...] - ETA: 0s - loss: 0.1331Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 1.0752

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550/1149 [=====>...] - ETA: 0s - loss: 0.1059  
190/1149 [===>...] - ETA: 0s - loss: 0.1326  
1149/1149 [=====] - 0s 128us/step - loss: 1.0428  
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.4178  
280/1149 [=====>...] - ETA: 0s - loss: 0.1233  
590/1148 [=====>...] - ETA: 0s - loss: 0.0867  
930/1149 [=====>...] - ETA: 0s - loss: 0.1266  
380/1149 [=====>...] - ETA: 0s - loss: 0.5787  
760/1149 [=====>...] - ETA: 0s - loss: 0.1330  
380/1149 [=====>...] - ETA: 0s - loss: 0.1077  
240/1149 [=====>...] - ETA: 0s - loss: 0.7265  
440/1149 [=====>...] - ETA: 0s - loss: 0.1121  
750/1148 [=====>...] - ETA: 0s - loss: 0.0832  
780/1149 [=====>...] - ETA: 0s - loss: 0.5264  
1149/1149 [=====] - 0s 313us/step - loss: 0.1245  
Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0864  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1313  
620/1149 [=====>...] - ETA: 0s - loss: 0.1005  
1149/1149 [=====] - 0s 292us/step - loss: 0.1261  
  
460/1149 [=====>...] - ETA: 0s - loss: 0.8794  
520/1149 [=====>...] - ETA: 0s - loss: 0.1219  
1149/1149 [=====] - 0s 124us/step - loss: 0.5373  
Epoch 10/20

10/1149 [...] - ETA: 0s - loss: 0.2156  
870/1148 [=====>...] - ETA: 0s - loss: 0.0832  
180/1149 [===>...] - ETA: 0s - loss: 0.1003  
850/1149 [=====>...] - ETA: 0s - loss: 0.1100  
760/1149 [=====>...] - ETA: 0s - loss: 0.8933  
170/1149 [===>...] - ETA: 0s - loss: 0.1248  
570/1149 [=====>...] - ETA: 0s - loss: 0.1197  
980/1148 [=====>...] - ETA: 0s - loss: 0.0837  
940/1149 [=====>...] - ETA: 0s - loss: 0.1091  
300/1149 [=====>...] - ETA: 0s - loss: 0.1189  
960/1149 [=====>...] - ETA: 0s - loss: 0.8637  
320/1149 [=====>...] - ETA: 0s - loss: 0.1427  
600/1149 [=====>...] - ETA: 0s - loss: 0.1190  
1140/1148 [=====>.] - ETA: 0s - loss: 0.0845  
1149/1149 [=====] - 0s 203us/step - loss: 0.9112  
  
1149/1149 [=====] - 0s 267us/step - loss: 0.1120  
  
1148/1148 [=====] - 0s 328us/step - loss: 0.0842

Epoch 5/5

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20/1149 [...] - ETA: 0s - loss: 0.7901
520/1149 [=====>...] - ETA: 0s - loss: 0.1322Epoch 19/20

10/1148 [...] - ETA: 0s - loss: 0.1486Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.2510
540/1149 [=====>...] - ETA: 0s - loss: 0.1277
700/1149 [=====>...] - ETA: 0s - loss: 0.1354
320/1149 [=====>...] - ETA: 0s - loss: 0.8016
180/1149 [===>...] - ETA: 0s - loss: 0.1419
690/1149 [=====>...] - ETA: 0s - loss: 0.1336
190/1148 [===>...] - ETA: 0s - loss: 0.0733
860/1149 [=====>...] - ETA: 0s - loss: 0.1277
680/1149 [=====>...] - ETA: 0s - loss: 0.1396
580/1149 [=====>...] - ETA: 0s - loss: 0.7392
360/1148 [=====>...] - ETA: 0s - loss: 0.0716
860/1149 [=====>...] - ETA: 0s - loss: 0.1306
340/1149 [=====>...] - ETA: 0s - loss: 0.1136
1000/1149 [=====>...] - ETA: 0s - loss: 0.1356
840/1149 [=====>...] - ETA: 0s - loss: 0.1314
860/1149 [=====>...] - ETA: 0s - loss: 0.8197
510/1148 [=====>...] - ETA: 0s - loss: 0.0772
520/1149 [=====>...] - ETA: 0s - loss: 0.1051
1010/1149 [=====>...] - ETA: 0s - loss: 0.1248
1149/1149 [=====] - 0s 399us/step - loss: 0.1382
Epoch 9/20

10/1149 [...] - ETA: 0s - loss: 0.0408
950/1149 [=====>...] - ETA: 0s - loss: 0.1265
1080/1149 [=====>...] - ETA: 0s - loss: 0.7912
710/1148 [=====>...] - ETA: 0s - loss: 0.0801
810/1149 [=====>...] - ETA: 0s - loss: 0.1075
1149/1149 [=====] - 0s 326us/step - loss: 0.1238
Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.3595
1149/1149 [=====] - 0s 200us/step - loss: 0.8170

260/1149 [=====>...] - ETA: 0s - loss: 0.1164
1070/1149 [=====>...] - ETA: 0s - loss: 0.1248
930/1148 [=====>...] - ETA: 0s - loss: 0.0818
1149/1149 [=====] - 0s 225us/step - loss: 0.1107
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0803
80/1149 [=>...] - ETA: 0s - loss: 0.2321
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1149/1149 [=====] - 0s 346us/step - loss: 0.1250  
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.0436  
550/1149 [=====>...] - ETA: 0s - loss: 0.1299  
1148/1148 [=====] - 0s 264us/step - loss: 0.0837  
Epoch 20/20

10/1148 [...] - ETA: 0s - loss: 0.0380  
290/1149 [=====>...] - ETA: 0s - loss: 0.1240  
380/1149 [=====>...] - ETA: 0s - loss: 0.1259  
320/1149 [=====>...] - ETA: 0s - loss: 0.1063  
730/1149 [=====>...] - ETA: 0s - loss: 0.1226  
230/1148 [=====>...] - ETA: 0s - loss: 0.0650  
540/1149 [=====>...] - ETA: 0s - loss: 0.1041  
660/1149 [=====>...] - ETA: 0s - loss: 0.1185  
600/1149 [=====>...] - ETA: 0s - loss: 0.1194  
940/1149 [=====>...] - ETA: 0s - loss: 0.1298  
380/1148 [=====>...] - ETA: 0s - loss: 0.0743  
790/1149 [=====>...] - ETA: 0s - loss: 0.1032  
910/1149 [=====>...] - ETA: 0s - loss: 0.1159  
840/1149 [=====>...] - ETA: 0s - loss: 0.1279  
1149/1149 [=====] - 0s 217us/step - loss: 0.1347  
Epoch 10/20

10/1149 [...] - ETA: 0s - loss: 0.1403  
610/1148 [=====>...] - ETA: 0s - loss: 0.0786  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1041  
1120/1149 [=====>.] - ETA: 0s - loss: 0.1255  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1246  
280/1149 [=====>...] - ETA: 0s - loss: 0.1496  
1149/1149 [=====] - 0s 235us/step - loss: 0.1234

1149/1149 [=====] - 0s 197us/step - loss: 0.1104  
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.0456Epoch 19/20

10/1149 [...] - ETA: 0s - loss: 0.0527  
830/1148 [=====>...] - ETA: 0s - loss: 0.0803  
1149/1149 [=====] - 0s 207us/step - loss: 0.1233  
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1121  
530/1149 [=====>...] - ETA: 0s - loss: 0.1338  
230/1149 [=====>...] - ETA: 0s - loss: 0.1242  
250/1149 [=====>...] - ETA: 0s - loss: 0.1211  
1040/1148 [=====>...] - ETA: 0s - loss: 0.0819



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230/1149 [====>...] - ETA: 0s - loss: 0.1784
610/1149 [=====>...] - ETA: 0s - loss: 0.1330
1148/1148 [=====] - 0s 243us/step - loss: 0.0826

500/1149 [=====>...] - ETA: 0s - loss: 0.1187
500/1149 [=====>...] - ETA: 0s - loss: 0.1128Epoch 1/5

20/1149 [...] - ETA: 20s - loss: 0.6301
440/1149 [=====>...] - ETA: 0s - loss: 0.1418
810/1149 [=====>...] - ETA: 0s - loss: 0.1340
740/1149 [=====>...] - ETA: 0s - loss: 0.1192
730/1149 [=====>...] - ETA: 0s - loss: 0.1094
720/1149 [=====>...] - ETA: 0s - loss: 0.1275
160/1149 [===>...] - ETA: 2s - loss: 1.0861
1070/1149 [=====>...] - ETA: 0s - loss: 0.1336
1040/1149 [=====>...] - ETA: 0s - loss: 0.1249
980/1149 [=====>...] - ETA: 0s - loss: 0.1056
1149/1149 [=====] - 0s 238us/step - loss: 0.1316
Epoch 11/20

10/1149 [...] - ETA: 0s - loss: 0.0942
1149/1149 [=====] - 0s 194us/step - loss: 0.1223
Epoch 19/20

10/1149 [...] - ETA: 0s - loss: 0.0902
1000/1149 [=====>...] - ETA: 0s - loss: 0.1213
460/1149 [=====>...] - ETA: 0s - loss: 1.1688
1149/1149 [=====] - 0s 217us/step - loss: 0.1093
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.1004
1149/1149 [=====] - 0s 207us/step - loss: 0.1220
Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.1082
260/1149 [====>...] - ETA: 0s - loss: 0.1400
270/1149 [====>...] - ETA: 0s - loss: 0.1198
760/1149 [=====>...] - ETA: 0s - loss: 1.1763
260/1149 [====>...] - ETA: 0s - loss: 0.1316
220/1149 [====>...] - ETA: 0s - loss: 0.0948
500/1149 [=====>...] - ETA: 0s - loss: 0.1359
530/1149 [=====>...] - ETA: 0s - loss: 0.1027
1120/1149 [=====>.] - ETA: 0s - loss: 1.1323
1149/1149 [=====] - 1s 512us/step - loss: 1.1202
Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 1.1961
520/1149 [=====>...] - ETA: 0s - loss: 0.1100

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450/1149 [=====>...] - ETA: 0s - loss: 0.1004
770/1149 [=====>...] - ETA: 0s - loss: 0.1287
770/1149 [=====>...] - ETA: 0s - loss: 0.1252
320/1149 [=====>...] - ETA: 0s - loss: 0.9693
770/1149 [=====>...] - ETA: 0s - loss: 0.1136
700/1149 [=====>...] - ETA: 0s - loss: 0.1304
1040/1149 [=====>...] - ETA: 0s - loss: 0.1315
980/1149 [=====>...] - ETA: 0s - loss: 0.1201
1149/1149 [=====] - 0s 196us/step - loss: 0.1296
Epoch 12/20

10/1149 [...] - ETA: 0s - loss: 0.1548
520/1149 [=====>...] - ETA: 0s - loss: 0.9913Epoch 1/5

20/1149 [...] - ETA: 21s - loss: 1.1527
1010/1149 [=====>...] - ETA: 0s - loss: 0.1123Epoch 1/10

20/1148 [...] - ETA: 22s - loss: 0.3815
970/1149 [=====>...] - ETA: 0s - loss: 0.1217
1149/1149 [=====] - 0s 214us/step - loss: 0.1219
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.0371
1149/1149 [=====] - 0s 207us/step - loss: 0.1083

280/1149 [=====>...] - ETA: 0s - loss: 0.1351
1040/1149 [=====>...] - ETA: 0s - loss: 1.0552
1149/1149 [=====] - 0s 209us/step - loss: 0.1208
Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0558
220/1149 [====>...] - ETA: 1s - loss: 1.2984
1149/1149 [=====] - 0s 144us/step - loss: 1.0362
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 0.9289
140/1148 [==>...] - ETA: 3s - loss: 0.3562
260/1149 [=====>...] - ETA: 0s - loss: 0.0999
540/1149 [=====>...] - ETA: 0s - loss: 0.1367
270/1149 [=====>...] - ETA: 0s - loss: 0.1315
360/1149 [=====>...] - ETA: 1s - loss: 1.1645
640/1149 [=====>...] - ETA: 0s - loss: 0.8818
520/1148 [=====>...] - ETA: 0s - loss: 0.3621
560/1149 [=====>...] - ETA: 0s - loss: 0.1142
790/1149 [=====>...] - ETA: 0s - loss: 0.1415
500/1149 [=====>...] - ETA: 0s - loss: 0.1235
1040/1149 [=====>...] - ETA: 0s - loss: 0.8635
740/1148 [=====>...] - ETA: 0s - loss: 0.3549

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770/1149 [=====>...] - ETA: 0s - loss: 0.1129
1149/1149 [=====] - 0s 101us/step - loss: 0.8638

460/1149 [=====>...] - ETA: 0s - loss: 1.1552Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 0.5754
1030/1149 [=====>...] - ETA: 0s - loss: 0.1305
750/1149 [=====>...] - ETA: 0s - loss: 0.1304Epoch 1/10

20/1149 [...] - ETA: 15s - loss: 0.8154
1060/1148 [=====>...] - ETA: 0s - loss: 0.3429
1149/1149 [=====] - 0s 201us/step - loss: 0.1268

1000/1149 [=====>...] - ETA: 0s - loss: 0.1250Epoch 13/20

10/1149 [...] - ETA: 0s - loss: 0.1178
720/1149 [=====>...] - ETA: 0s - loss: 1.0876
560/1149 [=====>...] - ETA: 0s - loss: 0.6658
1148/1148 [=====] - 1s 544us/step - loss: 0.3444
Epoch 2/10

20/1148 [...] - ETA: 0s - loss: 0.2249
1149/1149 [=====] - 0s 204us/step - loss: 0.1200

970/1149 [=====>...] - ETA: 0s - loss: 0.1211
1149/1149 [=====] - 1s 555us/step - loss: 1.0966

80/1149 [=>...] - ETA: 4s - loss: 1.4018 Epoch 2/5

20/1149 [...] - ETA: 0s - loss: 0.6985
230/1149 [=====>...] - ETA: 0s - loss: 0.1078
1000/1149 [=====>...] - ETA: 0s - loss: 0.6163
1149/1149 [=====] - 0s 103us/step - loss: 0.6108
Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 0.3591
360/1148 [=====>...] - ETA: 0s - loss: 0.3038
1149/1149 [=====] - 0s 218us/step - loss: 0.1216
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.0270
640/1149 [=====>...] - ETA: 0s - loss: 1.0645
120/1149 [==>...] - ETA: 3s - loss: 1.3259
440/1149 [=====>...] - ETA: 0s - loss: 0.1280
580/1149 [=====>...] - ETA: 0s - loss: 0.4344
800/1148 [=====>...] - ETA: 0s - loss: 0.2874
240/1149 [=====>...] - ETA: 0s - loss: 0.1443
1040/1149 [=====>...] - ETA: 0s - loss: 1.0742

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400/1149 [=====>...] - ETA: 0s - loss: 1.2861
1148/1148 [=====] - 0s 118us/step - loss: 0.2623

700/1149 [=====>...] - ETA: 0s - loss: 0.1174Epoch 3/10

20/1148 [...] - ETA: 0s - loss: 0.2188
1149/1149 [=====] - 0s 101us/step - loss: 1.0799
Epoch 3/5

20/1149 [...] - ETA: 0s - loss: 1.4942
1040/1149 [=====>...] - ETA: 0s - loss: 0.3995
480/1149 [=====>...] - ETA: 0s - loss: 0.1194
1149/1149 [=====] - 0s 101us/step - loss: 0.3941

990/1149 [=====>...] - ETA: 0s - loss: 0.1206
580/1148 [=====>...] - ETA: 0s - loss: 0.2036
460/1149 [=====>...] - ETA: 0s - loss: 1.1515
580/1149 [=====>...] - ETA: 0s - loss: 1.3465
720/1149 [=====>...] - ETA: 0s - loss: 0.1103
1149/1149 [=====] - 0s 207us/step - loss: 0.1247
Epoch 14/20

10/1149 [...] - ETA: 0s - loss: 0.0803
1080/1148 [=====>..] - ETA: 0s - loss: 0.1991
1148/1148 [=====] - 0s 96us/step - loss: 0.1971

900/1149 [=====>...] - ETA: 0s - loss: 1.0915Epoch 4/10

20/1148 [...] - ETA: 0s - loss: 0.1239
880/1149 [=====>...] - ETA: 0s - loss: 1.2377
990/1149 [=====>...] - ETA: 0s - loss: 0.1086
260/1149 [=====>...] - ETA: 0s - loss: 0.1918
1149/1149 [=====] - 0s 127us/step - loss: 1.0472
Epoch 4/5

20/1149 [...] - ETA: 0s - loss: 2.4997
1149/1149 [=====] - 0s 206us/step - loss: 0.1195

480/1148 [=====>...] - ETA: 0s - loss: 0.1536Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0774
1100/1149 [=====>..] - ETA: 0s - loss: 1.2063
1149/1149 [=====] - 1s 540us/step - loss: 1.1838
Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 0.6572
530/1149 [=====>...] - ETA: 0s - loss: 0.1552
400/1149 [=====>...] - ETA: 0s - loss: 0.9663

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1020/1148 [=====>...] - ETA: 0s - loss: 0.1551
250/1149 [=====>...] - ETA: 0s - loss: 0.1376
280/1149 [=====>...] - ETA: 0s - loss: 1.1063
1148/1148 [=====] - 0s 106us/step - loss: 0.1574

730/1149 [=====>...] - ETA: 0s - loss: 0.1419Epoch 5/10

20/1148 [...] - ETA: 0s - loss: 0.2114
880/1149 [=====>...] - ETA: 0s - loss: 0.9884
480/1149 [=====>...] - ETA: 0s - loss: 0.1384
1149/1149 [=====] - 0s 114us/step - loss: 0.9814

740/1149 [=====>...] - ETA: 0s - loss: 1.1159Epoch 5/5

20/1149 [...] - ETA: 0s - loss: 0.9577
970/1149 [=====>...] - ETA: 0s - loss: 0.1276
520/1148 [=====>...] - ETA: 0s - loss: 0.1414
720/1149 [=====>...] - ETA: 0s - loss: 0.1273
1149/1149 [=====] - 0s 208us/step - loss: 0.1221
Epoch 15/20

10/1149 [...] - ETA: 0s - loss: 0.0461
500/1149 [=====>...] - ETA: 0s - loss: 0.7460
1140/1149 [=====>.] - ETA: 0s - loss: 1.1306
1149/1149 [=====] - 0s 138us/step - loss: 1.1270
Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 0.4614
1000/1148 [=====>...] - ETA: 0s - loss: 0.1362
1148/1148 [=====] - 0s 112us/step - loss: 0.1322
Epoch 6/10

20/1148 [...] - ETA: 0s - loss: 0.1695Epoch 1/10

20/1149 [...] - ETA: 26s - loss: 0.6421
950/1149 [=====>...] - ETA: 0s - loss: 0.1211
210/1149 [=====>...] - ETA: 0s - loss: 0.1114
880/1149 [=====>...] - ETA: 0s - loss: 0.7890
480/1149 [=====>...] - ETA: 0s - loss: 1.0086
1149/1149 [=====] - 0s 114us/step - loss: 0.8756

520/1148 [=====>...] - ETA: 0s - loss: 0.1283
300/1149 [=====>...] - ETA: 1s - loss: 1.1332
1149/1149 [=====] - 0s 226us/step - loss: 0.1179
Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.0746
460/1149 [=====>...] - ETA: 0s - loss: 0.1158

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920/1149 [=====>...] - ETA: 0s - loss: 0.9743
1149/1149 [=====] - 0s 109us/step - loss: 0.9963
Epoch 4/10

20/1149 [...] - ETA: 0s - loss: 0.6414
1060/1148 [=====>...] - ETA: 0s - loss: 0.1178
520/1149 [=====>...] - ETA: 0s - loss: 1.2028
1148/1148 [=====] - 0s 98us/step - loss: 0.1184

260/1149 [=====>...] - ETA: 0s - loss: 0.0969Epoch 7/10

20/1148 [...] - ETA: 0s - loss: 0.2156
700/1149 [=====>...] - ETA: 0s - loss: 0.1114
560/1149 [=====>...] - ETA: 0s - loss: 0.8345
800/1149 [=====>...] - ETA: 0s - loss: 1.1470
480/1149 [=====>...] - ETA: 0s - loss: 0.1156
580/1148 [=====>...] - ETA: 0s - loss: 0.1164
950/1149 [=====>...] - ETA: 0s - loss: 0.1166
1020/1149 [=====>...] - ETA: 0s - loss: 0.8027
1149/1149 [=====] - 0s 219us/step - loss: 0.1204

1120/1149 [=====>.] - ETA: 0s - loss: 1.1574Epoch 16/20

10/1149 [...] - ETA: 0s - loss: 0.0765
700/1149 [=====>...] - ETA: 0s - loss: 0.1304
1140/1148 [=====>.] - ETA: 0s - loss: 0.1104
1149/1149 [=====] - 0s 105us/step - loss: 0.7933

1148/1148 [=====] - 0s 94us/step - loss: 0.1102
Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.3953Epoch 8/10

20/1148 [...] - ETA: 0s - loss: 0.1108
1149/1149 [=====] - 1s 605us/step - loss: 1.1707
Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 1.1933
270/1149 [=====>...] - ETA: 0s - loss: 0.0912
920/1149 [=====>...] - ETA: 0s - loss: 0.1255
560/1148 [=====>...] - ETA: 0s - loss: 0.1114
600/1149 [=====>...] - ETA: 0s - loss: 0.5872
500/1149 [=====>...] - ETA: 0s - loss: 0.9292
1149/1149 [=====] - 0s 221us/step - loss: 0.1177
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.1574
530/1149 [=====>...] - ETA: 0s - loss: 0.0944

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1040/1148 [=====>...] - ETA: 0s - loss: 0.1058  
1100/1149 [=====>..] - ETA: 0s - loss: 0.5466Epoch 1/10

20/1149 [...] - ETA: 28s - loss: 0.9573  
1149/1149 [=====] - 0s 95us/step - loss: 0.5477  
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.3599  
780/1149 [=====>...] - ETA: 0s - loss: 1.0166  
1148/1148 [=====] - 0s 103us/step - loss: 0.1047  
Epoch 9/10

20/1148 [...] - ETA: 0s - loss: 0.0794  
280/1149 [=====>...] - ETA: 0s - loss: 0.1366  
810/1149 [=====>...] - ETA: 0s - loss: 0.1089  
100/1149 [=>...] - ETA: 5s - loss: 1.4862  
1149/1149 [=====] - 0s 129us/step - loss: 1.1216  
Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 1.6127  
540/1149 [=====>...] - ETA: 0s - loss: 0.3845  
500/1148 [=====>...] - ETA: 0s - loss: 0.0960  
520/1149 [=====>...] - ETA: 0s - loss: 0.1182  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1169  
420/1149 [=====>...] - ETA: 1s - loss: 1.1467  
400/1149 [=====>...] - ETA: 0s - loss: 1.0862  
1000/1149 [=====>...] - ETA: 0s - loss: 0.3633  
1149/1149 [=====] - 0s 198us/step - loss: 0.1196  
Epoch 17/20

10/1149 [...] - ETA: 0s - loss: 0.0399  
1040/1148 [=====>...] - ETA: 0s - loss: 0.0999Epoch 1/10

20/1149 [...] - ETA: 28s - loss: 0.9753  
1149/1149 [=====] - 0s 104us/step - loss: 0.3447  
Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.1085  
1148/1148 [=====] - 0s 101us/step - loss: 0.1000  
Epoch 10/10

20/1148 [...] - ETA: 0s - loss: 0.1119  
780/1149 [=====>...] - ETA: 0s - loss: 0.1223  
740/1149 [=====>...] - ETA: 0s - loss: 1.2033  
920/1149 [=====>...] - ETA: 0s - loss: 1.0466  
240/1149 [=====>...] - ETA: 0s - loss: 0.1011  
1149/1149 [=====] - 0s 106us/step - loss: 1.0206  
Epoch 4/10

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20/1149 [...] - ETA: 0s - loss: 0.1680
540/1149 [=====>...] - ETA: 0s - loss: 0.2426
420/1148 [=====>...] - ETA: 0s - loss: 0.0934
200/1149 [====>...] - ETA: 2s - loss: 1.0380
990/1149 [=====>...] - ETA: 0s - loss: 0.1162
1120/1149 [=====>.] - ETA: 0s - loss: 1.1291
1149/1149 [=====] - 1s 621us/step - loss: 1.1286
Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 1.3485
470/1149 [=====>...] - ETA: 0s - loss: 0.1302
1149/1149 [=====] - 0s 209us/step - loss: 0.1164

620/1149 [=====>...] - ETA: 0s - loss: 0.8918
1060/1149 [=====>...] - ETA: 0s - loss: 0.2176Epoch 19/20

10/1149 [...] - ETA: 0s - loss: 0.0930
960/1148 [=====>...] - ETA: 0s - loss: 0.0944
260/1149 [====>...] - ETA: 2s - loss: 0.9696
1149/1149 [=====] - 0s 102us/step - loss: 0.2154
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.0885
1148/1148 [=====] - 0s 111us/step - loss: 0.0966

750/1149 [=====>...] - ETA: 0s - loss: 0.1315
400/1149 [=====>...] - ETA: 0s - loss: 1.2303
1149/1149 [=====] - 0s 92us/step - loss: 0.8649

260/1149 [====>...] - ETA: 0s - loss: 0.0840Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.8464
400/1149 [=====>...] - ETA: 1s - loss: 1.0030
500/1149 [=====>...] - ETA: 0s - loss: 0.1477
960/1149 [=====>...] - ETA: 0s - loss: 0.1203
660/1149 [=====>...] - ETA: 0s - loss: 1.1426
510/1149 [=====>...] - ETA: 0s - loss: 0.1049
540/1149 [=====>...] - ETA: 0s - loss: 0.7619
860/1149 [=====>...] - ETA: 0s - loss: 1.0362
1020/1149 [=====>...] - ETA: 0s - loss: 0.1622
1149/1149 [=====] - 0s 213us/step - loss: 0.1179
Epoch 18/20

10/1149 [...] - ETA: 0s - loss: 0.1955
1149/1149 [=====] - 0s 107us/step - loss: 0.1559
Epoch 9/10

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20/1149 [...] - ETA: 0s - loss: 0.1655  
 1149/1149 [=====] - 1s 662us/step - loss: 1.0930  
 Epoch 2/10

20/1149 [...] - ETA: 0s - loss: 0.7950  
 1140/1149 [=====>.] - ETA: 0s - loss: 1.0622  
 1149/1149 [=====] - 0s 144us/step - loss: 1.0632  
 Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 0.9389  
 770/1149 [=====>...] - ETA: 0s - loss: 0.1038  
 1120/1149 [=====>.] - ETA: 0s - loss: 0.6731Epoch 1/15

20/1148 [...] - ETA: 21s - loss: 0.3471  
 1149/1149 [=====] - 0s 94us/step - loss: 0.6768  
 Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.5590  
 260/1149 [=====>...] - ETA: 0s - loss: 0.1320  
 520/1149 [=====>...] - ETA: 0s - loss: 0.1378  
 440/1149 [=====>...] - ETA: 0s - loss: 1.1544  
 540/1149 [=====>...] - ETA: 0s - loss: 0.9055  
 960/1149 [=====>...] - ETA: 0s - loss: 0.1214  
 180/1148 [=====>...] - ETA: 2s - loss: 0.3760  
 520/1149 [=====>...] - ETA: 0s - loss: 0.4616  
 510/1149 [=====>...] - ETA: 0s - loss: 0.1231  
 1020/1149 [=====>...] - ETA: 0s - loss: 0.1423  
 840/1149 [=====>...] - ETA: 0s - loss: 1.0805  
 1149/1149 [=====] - 0s 222us/step - loss: 0.1162

1020/1149 [=====>...] - ETA: 0s - loss: 0.8914Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.1244  
 1149/1149 [=====] - 0s 110us/step - loss: 0.1387  
 Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.0622  
 960/1149 [=====>...] - ETA: 0s - loss: 0.5117  
 320/1148 [=====>...] - ETA: 1s - loss: 0.3730  
 1149/1149 [=====] - 0s 107us/step - loss: 0.9366  
 Epoch 4/10

20/1149 [...] - ETA: 0s - loss: 2.3317  
 740/1149 [=====>...] - ETA: 0s - loss: 0.1153  
 1149/1149 [=====] - 0s 134us/step - loss: 1.0415  
 Epoch 3/10

20/1149 [...] - ETA: 0s - loss: 0.8942

1149/1149 [=====] - 0s 124us/step - loss: 0.4800  
Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.3855  
220/1149 [====>...] - ETA: 0s - loss: 0.1004  
520/1149 [=====>...] - ETA: 0s - loss: 0.1253  
440/1148 [=====>...] - ETA: 0s - loss: 0.3622  
300/1149 [=====>...] - ETA: 0s - loss: 0.9630  
990/1149 [=====>...] - ETA: 0s - loss: 0.1205  
580/1149 [=====>...] - ETA: 0s - loss: 1.0245  
360/1149 [=====>...] - ETA: 0s - loss: 0.4309  
480/1149 [=====>...] - ETA: 0s - loss: 0.1126  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1334  
1149/1149 [=====] - 0s 209us/step - loss: 0.1170  
  
540/1148 [=====>...] - ETA: 0s - loss: 0.3720Epoch 19/20

10/1149 [...] - ETA: 0s - loss: 0.0380  
1149/1149 [=====] - 0s 102us/step - loss: 0.1312  
  
700/1149 [=====>...] - ETA: 0s - loss: 0.8033  
1149/1149 [=====] - 0s 91us/step - loss: 0.9261  
Epoch 4/10

20/1149 [...] - ETA: 0s - loss: 0.8057  
740/1149 [=====>...] - ETA: 0s - loss: 0.3675  
750/1149 [=====>...] - ETA: 0s - loss: 0.1201  
720/1148 [=====>...] - ETA: 0s - loss: 0.3708  
250/1149 [=====>...] - ETA: 0s - loss: 0.0901  
1149/1149 [=====] - 0s 135us/step - loss: 0.8102  
Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.5586  
1149/1149 [=====] - 0s 127us/step - loss: 0.3335  
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.1611  
540/1149 [=====>...] - ETA: 0s - loss: 0.9111  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1158  
1000/1148 [=====>...] - ETA: 0s - loss: 0.3502  
510/1149 [=====>...] - ETA: 0s - loss: 0.1197  
540/1149 [=====>...] - ETA: 0s - loss: 0.8402  
1149/1149 [=====] - 0s 205us/step - loss: 0.1157

1148/1148 [=====] - 1s 618us/step - loss: 0.3393

520/1149 [=====>...] - ETA: 0s - loss: 0.2363  
1080/1149 [=====>..] - ETA: 0s - loss: 0.7665Epoch 2/15

20/1148 [...] - ETA: 0s - loss: 0.2235  
1149/1149 [=====] - 0s 98us/step - loss: 0.7592  
Epoch 5/10

20/1149 [...] - ETA: 0s - loss: 0.6477  
770/1149 [=====>...] - ETA: 0s - loss: 0.1280  
1040/1149 [=====>...] - ETA: 0s - loss: 0.7024  
1149/1149 [=====] - 0s 100us/step - loss: 0.7056  
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.4370  
980/1149 [=====>...] - ETA: 0s - loss: 0.2305  
560/1148 [=====>...] - ETA: 0s - loss: 0.2444  
500/1149 [=====>...] - ETA: 0s - loss: 0.5722  
1149/1149 [=====] - 0s 108us/step - loss: 0.2197  
Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.1270  
1030/1149 [=====>...] - ETA: 0s - loss: 0.1185  
500/1149 [=====>...] - ETA: 0s - loss: 0.5900  
1148/1148 [=====] - 0s 100us/step - loss: 0.2319  
Epoch 3/15

20/1148 [...] - ETA: 0s - loss: 0.1989  
1149/1149 [=====] - 0s 209us/step - loss: 0.1158  
Epoch 20/20

10/1149 [...] - ETA: 0s - loss: 0.0653  
1060/1149 [=====>...] - ETA: 0s - loss: 0.5541  
520/1149 [=====>...] - ETA: 0s - loss: 0.1598  
1149/1149 [=====] - 0s 100us/step - loss: 0.5482  
Epoch 6/10

20/1149 [...] - ETA: 0s - loss: 0.4783  
960/1149 [=====>...] - ETA: 0s - loss: 0.5993  
500/1148 [=====>...] - ETA: 0s - loss: 0.1699  
240/1149 [=====>...] - ETA: 0s - loss: 0.0867  
1149/1149 [=====] - 0s 111us/step - loss: 0.5995  
Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.5377  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1559  
440/1149 [=====>...] - ETA: 0s - loss: 0.3831  
1149/1149 [=====] - 0s 112us/step - loss: 0.1613  
Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.0655

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880/1148 [=====>...] - ETA: 0s - loss: 0.1619
430/1149 [=====>...] - ETA: 0s - loss: 0.1010
440/1149 [=====>...] - ETA: 0s - loss: 0.4848
800/1149 [=====>...] - ETA: 0s - loss: 0.3592
1148/1148 [=====] - 0s 127us/step - loss: 0.1585

400/1149 [=====>...] - ETA: 0s - loss: 0.1389Epoch 4/15

20/1148 [...] - ETA: 0s - loss: 0.1388
620/1149 [=====>...] - ETA: 0s - loss: 0.1066
840/1149 [=====>...] - ETA: 0s - loss: 0.4960
1149/1149 [=====] - 0s 132us/step - loss: 0.3572
Epoch 7/10

20/1149 [...] - ETA: 0s - loss: 0.3000
800/1149 [=====>...] - ETA: 0s - loss: 0.1318
380/1148 [=====>...] - ETA: 0s - loss: 0.1528
1149/1149 [=====] - 0s 129us/step - loss: 0.4996
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.1876
830/1149 [=====>...] - ETA: 0s - loss: 0.1211
480/1149 [=====>...] - ETA: 0s - loss: 0.2436
1149/1149 [=====] - 0s 128us/step - loss: 0.1394

700/1148 [=====>...] - ETA: 0s - loss: 0.1400
460/1149 [=====>...] - ETA: 0s - loss: 0.3598
1050/1149 [=====>...] - ETA: 0s - loss: 0.1192
1000/1149 [=====>...] - ETA: 0s - loss: 0.2514
1149/1149 [=====] - 0s 241us/step - loss: 0.1162

1149/1149 [=====] - 0s 101us/step - loss: 0.2366
Epoch 8/10

20/1149 [...] - ETA: 0s - loss: 0.2079
1148/1148 [=====] - 0s 132us/step - loss: 0.1271
Epoch 5/15

20/1148 [...] - ETA: 0s - loss: 0.1203
1000/1149 [=====>...] - ETA: 0s - loss: 0.4130
1149/1149 [=====] - 0s 103us/step - loss: 0.4074
Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.2553
580/1149 [=====>...] - ETA: 0s - loss: 0.1900
600/1148 [=====>...] - ETA: 0s - loss: 0.1062
600/1149 [=====>...] - ETA: 0s - loss: 0.3337
1120/1149 [=====>.] - ETA: 0s - loss: 0.1745

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1149/1149 [=====] - 0s 92us/step - loss: 0.1777  
Epoch 9/10

20/1149 [...] - ETA: 0s - loss: 0.0942  
1140/1148 [=====>...] - ETA: 0s - loss: 0.1137  
1148/1148 [=====] - 0s 92us/step - loss: 0.1138  
Epoch 6/15

20/1148 [...] - ETA: 0s - loss: 0.1176  
1149/1149 [=====] - 0s 91us/step - loss: 0.3224  
Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.1229  
540/1149 [=====>...] - ETA: 0s - loss: 0.1395  
480/1148 [=====>...] - ETA: 0s - loss: 0.1001  
400/1149 [=====>...] - ETA: 0s - loss: 0.2398Epoch 1/15

20/1149 [...] - ETA: 18s - loss: 1.0810  
960/1149 [=====>...] - ETA: 0s - loss: 0.1334  
840/1148 [=====>...] - ETA: 0s - loss: 0.1019  
1149/1149 [=====] - 0s 112us/step - loss: 0.1545  
Epoch 10/10

20/1149 [...] - ETA: 0s - loss: 0.0525Epoch 1/15

20/1149 [...] - ETA: 19s - loss: 1.0462  
240/1149 [=====>...] - ETA: 1s - loss: 1.3033  
800/1149 [=====>...] - ETA: 0s - loss: 0.2513  
1148/1148 [=====] - 0s 122us/step - loss: 0.1065  
Epoch 7/15

20/1148 [...] - ETA: 0s - loss: 0.0625  
460/1149 [=====>...] - ETA: 0s - loss: 0.1336  
260/1149 [=====>...] - ETA: 1s - loss: 1.1174  
1149/1149 [=====] - 0s 128us/step - loss: 0.2489

640/1149 [=====>...] - ETA: 0s - loss: 1.0547  
420/1148 [=====>...] - ETA: 0s - loss: 0.0913  
640/1149 [=====>...] - ETA: 0s - loss: 0.1409  
540/1148 [=====>...] - ETA: 0s - loss: 0.0929  
760/1149 [=====>...] - ETA: 0s - loss: 1.1150  
400/1149 [=====>...] - ETA: 0s - loss: 1.1563  
640/1148 [=====>...] - ETA: 0s - loss: 0.0934  
820/1149 [=====>...] - ETA: 0s - loss: 1.1097  
740/1149 [=====>...] - ETA: 0s - loss: 0.1444  
440/1149 [=====>...] - ETA: 0s - loss: 1.1650  
760/1148 [=====>...] - ETA: 0s - loss: 0.0956  
860/1149 [=====>...] - ETA: 0s - loss: 0.1390

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920/1149 [=====>...] - ETA: 0s - loss: 1.1634
540/1149 [=====>...] - ETA: 0s - loss: 1.1137
1149/1149 [=====] - 1s 553us/step - loss: 1.1829
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 0.5231
1149/1149 [=====] - 0s 237us/step - loss: 0.1445

1140/1148 [=====>.] - ETA: 0s - loss: 0.1014
1148/1148 [=====] - 0s 228us/step - loss: 0.1011
Epoch 8/15

20/1148 [...] - ETA: 0s - loss: 0.1187
960/1149 [=====>...] - ETA: 0s - loss: 1.0629
1149/1149 [=====] - 1s 571us/step - loss: 1.1222
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 0.7635
600/1149 [=====>...] - ETA: 0s - loss: 1.1692
400/1148 [=====>...] - ETA: 0s - loss: 0.0909Epoch 1/15

20/1149 [...] - ETA: 29s - loss: 0.8757
600/1149 [=====>...] - ETA: 0s - loss: 1.1557
1149/1149 [=====] - 0s 87us/step - loss: 1.1284
Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 1.2126
800/1148 [=====>...] - ETA: 0s - loss: 0.0936
260/1149 [=====>...] - ETA: 1s - loss: 1.1324
1100/1149 [=====>..] - ETA: 0s - loss: 1.0602
1149/1149 [=====] - 0s 93us/step - loss: 1.0579

500/1149 [=====>...] - ETA: 0s - loss: 0.9666Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 0.8429
1148/1148 [=====] - 0s 131us/step - loss: 0.0972
Epoch 9/15

20/1148 [...] - ETA: 0s - loss: 0.0952
760/1149 [=====>...] - ETA: 0s - loss: 1.1577
500/1149 [=====>...] - ETA: 0s - loss: 0.8853
960/1149 [=====>...] - ETA: 0s - loss: 0.9451Epoch 1/15

20/1149 [...] - ETA: 30s - loss: 1.3442
500/1148 [=====>...] - ETA: 0s - loss: 0.0963
1149/1149 [=====] - 1s 588us/step - loss: 1.1673
Epoch 2/15

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20/1149 [...] - ETA: 0s - loss: 1.3743  
1149/1149 [=====] - 0s 108us/step - loss: 0.9821  
Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.5269  
940/1149 [=====>...] - ETA: 0s - loss: 0.9693  
280/1149 [=====>...] - ETA: 1s - loss: 1.4712  
920/1148 [=====>...] - ETA: 0s - loss: 0.0979  
580/1149 [=====>...] - ETA: 0s - loss: 1.0966  
460/1149 [=====>...] - ETA: 0s - loss: 0.8576Epoch 1/20

20/1148 [...] - ETA: 28s - loss: 0.3264  
1149/1149 [=====] - 0s 116us/step - loss: 0.9072  
Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.6612  
1148/1148 [=====] - 0s 119us/step - loss: 0.0949  
Epoch 10/15

20/1148 [...] - ETA: 0s - loss: 0.0910  
680/1149 [=====>...] - ETA: 0s - loss: 1.2500  
1040/1149 [=====>...] - ETA: 0s - loss: 1.1151  
880/1149 [=====>...] - ETA: 0s - loss: 0.7961  
1149/1149 [=====] - 0s 102us/step - loss: 1.1029  
Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 0.6201  
200/1148 [=====>...] - ETA: 2s - loss: 0.3755  
420/1149 [=====>...] - ETA: 0s - loss: 0.7327  
440/1148 [=====>...] - ETA: 0s - loss: 0.0841  
1149/1149 [=====] - 0s 115us/step - loss: 0.7737  
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.4424  
1149/1149 [=====] - 1s 600us/step - loss: 1.0891  
Epoch 2/15

20/1149 [...] - ETA: 0s - loss: 0.8539  
480/1149 [=====>...] - ETA: 0s - loss: 0.9020  
500/1148 [=====>...] - ETA: 0s - loss: 0.3551  
880/1149 [=====>...] - ETA: 0s - loss: 0.7164  
860/1148 [=====>...] - ETA: 0s - loss: 0.0950  
400/1149 [=====>...] - ETA: 0s - loss: 0.6495  
580/1149 [=====>...] - ETA: 0s - loss: 1.0605  
1149/1149 [=====] - 0s 123us/step - loss: 0.6913

1148/1148 [=====] - 0s 116us/step - loss: 0.0929  
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.6779Epoch 11/15

20/1148 [...] - ETA: 0s - loss: 0.1029

920/1149 [=====>...] - ETA: 0s - loss: 0.9973

840/1148 [=====>...] - ETA: 0s - loss: 0.3575

840/1149 [=====>...] - ETA: 0s - loss: 0.5825

1149/1149 [=====] - 0s 114us/step - loss: 0.9893

Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 0.4017

1060/1149 [=====>...] - ETA: 0s - loss: 1.0183

500/1149 [=====>...] - ETA: 0s - loss: 0.5220

1149/1149 [=====] - 0s 103us/step - loss: 1.0262

480/1148 [=====>...] - ETA: 0s - loss: 0.0839Epoch 3/15

20/1149 [...] - ETA: 0s - loss: 1.0805

960/1148 [=====>...] - ETA: 0s - loss: 0.3566

1149/1149 [=====] - 0s 118us/step - loss: 0.5232

Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.2959Epoch 1/20

20/1149 [...] - ETA: 16s - loss: 0.8630

1148/1148 [=====] - 1s 646us/step - loss: 0.3592

Epoch 2/20

20/1148 [...] - ETA: 0s - loss: 0.4610

400/1149 [=====>...] - ETA: 0s - loss: 0.9384

1020/1149 [=====>...] - ETA: 0s - loss: 0.4913

980/1148 [=====>...] - ETA: 0s - loss: 0.0864

480/1149 [=====>...] - ETA: 0s - loss: 1.0194

520/1149 [=====>...] - ETA: 0s - loss: 0.3329

1149/1149 [=====] - 0s 104us/step - loss: 0.4756

Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.6018

1148/1148 [=====] - 0s 111us/step - loss: 0.0912

Epoch 12/15

20/1148 [...] - ETA: 0s - loss: 0.3212

140/1149 [==>...] - ETA: 2s - loss: 1.0545

400/1148 [=====>...] - ETA: 0s - loss: 0.3282

940/1149 [=====>...] - ETA: 0s - loss: 0.8877

860/1149 [=====>...] - ETA: 0s - loss: 0.9562

980/1149 [=====>...] - ETA: 0s - loss: 0.2921

1149/1149 [=====] - 0s 115us/step - loss: 0.8706



500/1149 [=====>...] - ETA: 0s - loss: 0.3285Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 1.5847

480/1148 [=====>...] - ETA: 0s - loss: 0.0870

340/1149 [=====>...] - ETA: 0s - loss: 1.1348Epoch 1/20

20/1149 [...] - ETA: 17s - loss: 0.6297

1149/1149 [=====] - 0s 111us/step - loss: 0.2911

820/1148 [=====>...] - ETA: 0s - loss: 0.3274

1149/1149 [=====] - 0s 122us/step - loss: 0.9106

Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.3811Epoch 4/15

20/1149 [...] - ETA: 0s - loss: 1.1737

900/1149 [=====>...] - ETA: 0s - loss: 0.3160

480/1149 [=====>...] - ETA: 0s - loss: 0.8335

1148/1148 [=====] - 0s 120us/step - loss: 0.3230

Epoch 3/20

20/1148 [...] - ETA: 0s - loss: 0.2158

920/1148 [=====>...] - ETA: 0s - loss: 0.0882

660/1149 [=====>...] - ETA: 0s - loss: 1.2774

260/1149 [=====>...] - ETA: 1s - loss: 0.9520

380/1149 [=====>...] - ETA: 0s - loss: 0.7787

480/1149 [=====>...] - ETA: 0s - loss: 0.1918

1149/1149 [=====] - 0s 124us/step - loss: 0.2927

1148/1148 [=====] - 0s 116us/step - loss: 0.0895

Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.2897Epoch 13/15

20/1148 [...] - ETA: 0s - loss: 0.0829

960/1149 [=====>...] - ETA: 0s - loss: 0.7488

440/1148 [=====>...] - ETA: 0s - loss: 0.2922

980/1149 [=====>...] - ETA: 0s - loss: 1.1631

440/1149 [=====>...] - ETA: 0s - loss: 1.0131

840/1149 [=====>...] - ETA: 0s - loss: 0.7554

980/1149 [=====>...] - ETA: 0s - loss: 0.1766

1149/1149 [=====] - 0s 112us/step - loss: 0.7855

Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.5892

1149/1149 [=====] - 1s 453us/step - loss: 1.1804

Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 0.9938  
500/1148 [=====>...] - ETA: 0s - loss: 0.0800  
460/1149 [=====>...] - ETA: 0s - loss: 0.1893  
1149/1149 [=====] - 0s 111us/step - loss: 0.1727  
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.0820  
940/1148 [=====>...] - ETA: 0s - loss: 0.3006  
1149/1149 [=====] - 0s 119us/step - loss: 0.7373  
Epoch 5/15

20/1149 [...] - ETA: 0s - loss: 0.6007  
580/1149 [=====>...] - ETA: 0s - loss: 1.1132  
560/1149 [=====>...] - ETA: 0s - loss: 0.7685  
1148/1148 [=====] - 0s 112us/step - loss: 0.2887  
Epoch 4/20

20/1148 [...] - ETA: 0s - loss: 0.2305  
400/1149 [=====>...] - ETA: 0s - loss: 1.2217  
1000/1148 [=====>...] - ETA: 0s - loss: 0.0869  
880/1149 [=====>...] - ETA: 0s - loss: 0.2004  
400/1149 [=====>...] - ETA: 0s - loss: 0.1335  
460/1149 [=====>...] - ETA: 0s - loss: 0.5491  
1148/1148 [=====] - 0s 106us/step - loss: 0.0882  
Epoch 14/15

20/1148 [...] - ETA: 0s - loss: 0.0418  
820/1149 [=====>...] - ETA: 0s - loss: 1.1811  
1149/1149 [=====] - 0s 123us/step - loss: 0.2018  
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.1627  
1000/1149 [=====>...] - ETA: 0s - loss: 0.7488  
560/1148 [=====>...] - ETA: 0s - loss: 0.2421  
760/1149 [=====>...] - ETA: 0s - loss: 1.2137  
1149/1149 [=====] - 0s 106us/step - loss: 0.7260  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.7996  
860/1149 [=====>...] - ETA: 0s - loss: 0.1435  
980/1149 [=====>...] - ETA: 0s - loss: 0.5657  
520/1148 [=====>...] - ETA: 0s - loss: 0.0766  
1060/1149 [=====>...] - ETA: 0s - loss: 1.1580  
1149/1149 [=====] - 0s 103us/step - loss: 0.5356  
Epoch 6/15

20/1149 [...] - ETA: 0s - loss: 0.2653

440/1149 [=====>...] - ETA: 0s - loss: 0.1510  
1060/1148 [=====>...] - ETA: 0s - loss: 0.2566  
1149/1149 [=====] - 0s 121us/step - loss: 0.1418  
Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.6906  
1149/1149 [=====] - 0s 137us/step - loss: 1.1188  
  
1149/1149 [=====] - 1s 514us/step - loss: 1.1750  
Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 1.1499Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 0.4923  
1148/1148 [=====] - 0s 100us/step - loss: 0.2531  
Epoch 5/20

20/1148 [...] - ETA: 0s - loss: 0.2527  
500/1149 [=====>...] - ETA: 0s - loss: 0.6618  
960/1148 [=====>...] - ETA: 0s - loss: 0.0872  
460/1149 [=====>...] - ETA: 0s - loss: 0.3732  
880/1149 [=====>...] - ETA: 0s - loss: 0.1689  
460/1149 [=====>...] - ETA: 0s - loss: 0.1377  
1148/1148 [=====] - 0s 112us/step - loss: 0.0868  
Epoch 15/15

20/1148 [...] - ETA: 0s - loss: 0.0799  
300/1149 [=====>...] - ETA: 0s - loss: 1.0601  
220/1149 [=====>...] - ETA: 0s - loss: 1.0369  
560/1148 [=====>...] - ETA: 0s - loss: 0.2252  
980/1149 [=====>...] - ETA: 0s - loss: 0.6556  
1149/1149 [=====] - 0s 121us/step - loss: 0.1660  
  
1149/1149 [=====] - 0s 108us/step - loss: 0.6715  
Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.8631Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.0899  
840/1149 [=====>...] - ETA: 0s - loss: 0.3645  
880/1149 [=====>...] - ETA: 0s - loss: 0.1325  
500/1148 [=====>...] - ETA: 0s - loss: 0.0802  
560/1149 [=====>...] - ETA: 0s - loss: 1.0483  
320/1149 [=====>...] - ETA: 0s - loss: 1.0371  
1000/1148 [=====>...] - ETA: 0s - loss: 0.2220  
1149/1149 [=====] - 0s 120us/step - loss: 0.3519  
Epoch 7/15

20/1149 [...] - ETA: 0s - loss: 0.3595  
1148/1148 [=====] - 0s 109us/step - loss: 0.2179  
Epoch 6/20

20/1148 [...] - ETA: 0s - loss: 0.2186  
440/1149 [=====>...] - ETA: 0s - loss: 0.7017  
460/1149 [=====>...] - ETA: 0s - loss: 0.1440  
1149/1149 [=====] - 0s 123us/step - loss: 0.1356  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.0930  
920/1149 [=====>...] - ETA: 0s - loss: 1.0645  
860/1148 [=====>...] - ETA: 0s - loss: 0.0883  
820/1149 [=====>...] - ETA: 0s - loss: 1.1239  
420/1149 [=====>...] - ETA: 0s - loss: 0.2971  
400/1148 [=====>...] - ETA: 0s - loss: 0.1862  
900/1149 [=====>...] - ETA: 0s - loss: 0.1464  
840/1149 [=====>...] - ETA: 0s - loss: 0.5969  
420/1149 [=====>...] - ETA: 0s - loss: 0.1330  
1149/1149 [=====] - 0s 168us/step - loss: 1.0041  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 1.9566  
1149/1149 [=====] - 0s 170us/step - loss: 1.1440  
  
1148/1148 [=====] - 0s 126us/step - loss: 0.0861  
Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 1.5676  
1149/1149 [=====] - 0s 119us/step - loss: 0.1515  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.0846  
760/1149 [=====>...] - ETA: 0s - loss: 0.2756  
800/1148 [=====>...] - ETA: 0s - loss: 0.1854  
1140/1149 [=====>.] - ETA: 0s - loss: 0.6219  
1149/1149 [=====] - 0s 142us/step - loss: 0.6207  
  
780/1149 [=====>...] - ETA: 0s - loss: 0.1353  
380/1149 [=====>...] - ETA: 0s - loss: 0.9410Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.5156  
440/1149 [=====>...] - ETA: 0s - loss: 1.0410  
380/1149 [=====>...] - ETA: 0s - loss: 0.1471  
1140/1149 [=====>.] - ETA: 0s - loss: 0.2366  
1149/1149 [=====] - 0s 123us/step - loss: 0.1329  
  
1149/1149 [=====] - 0s 135us/step - loss: 0.2364

Epoch 8/15

20/1149 [...] - ETA: 0s - loss: 0.3963Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.0721  
1148/1148 [=====] - 0s 136us/step - loss: 0.1856  
Epoch 7/20

20/1148 [...] - ETA: 0s - loss: 0.1569  
440/1149 [=====>...] - ETA: 0s - loss: 0.6880  
900/1149 [=====>...] - ETA: 0s - loss: 0.9470  
780/1149 [=====>...] - ETA: 0s - loss: 1.0952  
740/1149 [=====>...] - ETA: 0s - loss: 0.1377  
1149/1149 [=====] - 0s 121us/step - loss: 0.8797

500/1149 [=====>...] - ETA: 0s - loss: 0.2019  
480/1149 [=====>...] - ETA: 0s - loss: 0.1077Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.5491  
420/1148 [=====>...] - ETA: 0s - loss: 0.1642  
840/1149 [=====>...] - ETA: 0s - loss: 0.5905  
980/1149 [=====>...] - ETA: 0s - loss: 1.0818  
1080/1149 [=====>..] - ETA: 0s - loss: 0.1447  
1149/1149 [=====] - 0s 143us/step - loss: 0.1454

920/1149 [=====>...] - ETA: 0s - loss: 0.1899Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.1659  
920/1149 [=====>...] - ETA: 0s - loss: 0.1288  
380/1149 [=====>...] - ETA: 0s - loss: 0.8085  
640/1148 [=====>...] - ETA: 0s - loss: 0.1567  
1149/1149 [=====] - 0s 174us/step - loss: 1.0723

1149/1149 [=====] - 0s 132us/step - loss: 0.5718  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.5005Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 2.0138  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1258  
160/1149 [===>...] - ETA: 0s - loss: 0.2071  
480/1149 [=====>...] - ETA: 0s - loss: 0.7764  
1060/1149 [=====>...] - ETA: 0s - loss: 0.1813  
760/1148 [=====>...] - ETA: 0s - loss: 0.1597  
120/1149 [==>...] - ETA: 0s - loss: 0.6878  
140/1149 [==>...] - ETA: 0s - loss: 1.0950  
1149/1149 [=====] - 0s 175us/step - loss: 0.1779  
Epoch 9/15

20/1149 [...] - ETA: 0s - loss: 0.2727  
1149/1149 [=====] - 0s 182us/step - loss: 0.1314  
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.0598  
320/1149 [=====>...] - ETA: 0s - loss: 0.1728  
540/1149 [=====>...] - ETA: 0s - loss: 0.7604  
920/1148 [=====>...] - ETA: 0s - loss: 0.1579  
260/1149 [=====>...] - ETA: 0s - loss: 0.6372  
340/1149 [=====>...] - ETA: 0s - loss: 0.8863  
200/1149 [=====>...] - ETA: 0s - loss: 0.1338  
180/1149 [=====>...] - ETA: 0s - loss: 0.1146  
700/1149 [=====>...] - ETA: 0s - loss: 0.7539  
500/1149 [=====>...] - ETA: 0s - loss: 0.1499  
1120/1148 [=====>...] - ETA: 0s - loss: 0.1601  
400/1149 [=====>...] - ETA: 0s - loss: 0.6257  
520/1149 [=====>...] - ETA: 0s - loss: 0.8731  
1148/1148 [=====] - 0s 259us/step - loss: 0.1595  
Epoch 8/20

20/1148 [...] - ETA: 0s - loss: 0.0418  
320/1149 [=====>...] - ETA: 0s - loss: 0.1470  
580/1149 [=====>...] - ETA: 0s - loss: 0.1417  
300/1149 [=====>...] - ETA: 0s - loss: 0.1407  
800/1149 [=====>...] - ETA: 0s - loss: 0.8020  
540/1149 [=====>...] - ETA: 0s - loss: 0.5929  
680/1149 [=====>...] - ETA: 0s - loss: 0.9167  
900/1149 [=====>...] - ETA: 0s - loss: 0.7772  
460/1149 [=====>...] - ETA: 0s - loss: 0.1542  
140/1148 [=====>...] - ETA: 0s - loss: 0.1154  
420/1149 [=====>...] - ETA: 0s - loss: 0.1342  
700/1149 [=====>...] - ETA: 0s - loss: 0.1360  
620/1149 [=====>...] - ETA: 0s - loss: 0.5776  
800/1149 [=====>...] - ETA: 0s - loss: 0.9742  
600/1149 [=====>...] - ETA: 0s - loss: 0.1578  
340/1148 [=====>...] - ETA: 0s - loss: 0.1547  
1140/1149 [=====>...] - ETA: 0s - loss: 0.7803  
660/1149 [=====>...] - ETA: 0s - loss: 0.1339  
900/1149 [=====>...] - ETA: 0s - loss: 0.1329  
1149/1149 [=====] - 0s 335us/step - loss: 0.7786  
Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 1.0046  
880/1149 [=====>...] - ETA: 0s - loss: 0.5651  
1120/1149 [=====>...] - ETA: 0s - loss: 0.9561  
1149/1149 [=====] - 0s 323us/step - loss: 0.1422

1149/1149 [=====] - 0s 310us/step - loss: 0.9539  
Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.8720Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.1374  
720/1148 [=====>...] - ETA: 0s - loss: 0.1441  
980/1149 [=====>...] - ETA: 0s - loss: 0.1518  
1040/1149 [=====>...] - ETA: 0s - loss: 0.1340  
360/1149 [=====>...] - ETA: 0s - loss: 0.6706  
1080/1149 [=====>..] - ETA: 0s - loss: 0.5422  
1149/1149 [=====] - 0s 255us/step - loss: 0.1296

1149/1149 [=====] - 0s 263us/step - loss: 0.1575  
Epoch 10/15

20/1149 [...] - ETA: 0s - loss: 0.0809Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.1425  
460/1149 [=====>...] - ETA: 0s - loss: 0.1275  
1149/1149 [=====] - 0s 358us/step - loss: 0.5247

1148/1148 [=====] - 0s 193us/step - loss: 0.1405  
Epoch 9/20

20/1148 [...] - ETA: 0s - loss: 0.1267Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.2738  
240/1149 [=====>...] - ETA: 0s - loss: 0.8525  
740/1149 [=====>...] - ETA: 0s - loss: 0.6813  
440/1149 [=====>...] - ETA: 0s - loss: 0.1278  
300/1149 [=====>...] - ETA: 0s - loss: 0.1685  
940/1149 [=====>...] - ETA: 0s - loss: 0.1366  
480/1148 [=====>...] - ETA: 0s - loss: 0.1210  
220/1149 [=====>...] - ETA: 0s - loss: 0.5051  
460/1149 [=====>...] - ETA: 0s - loss: 0.7738  
1100/1149 [=====>..] - ETA: 0s - loss: 0.6810  
1149/1149 [=====] - 0s 112us/step - loss: 0.1409

1149/1149 [=====] - 0s 142us/step - loss: 0.6855  
Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.1020Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 1.9001  
620/1149 [=====>...] - ETA: 0s - loss: 0.1462  
860/1149 [=====>...] - ETA: 0s - loss: 0.1249  
800/1148 [=====>...] - ETA: 0s - loss: 0.1257

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760/1149 [=====>...] - ETA: 0s - loss: 0.4809
1040/1149 [=====>...] - ETA: 0s - loss: 0.7797
1149/1149 [=====] - 0s 156us/step - loss: 0.7909
Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 0.7060
300/1149 [=====>...] - ETA: 0s - loss: 0.1287
360/1149 [=====>...] - ETA: 0s - loss: 0.6225
940/1149 [=====>...] - ETA: 0s - loss: 0.1598
1149/1149 [=====] - 0s 136us/step - loss: 0.1287
Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.0642
1149/1149 [=====] - 0s 119us/step - loss: 0.4795
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.4873
1060/1148 [=====>...] - ETA: 0s - loss: 0.1288
1149/1149 [=====] - 0s 161us/step - loss: 0.1510
Epoch 11/15

20/1149 [...] - ETA: 0s - loss: 0.1628
1148/1148 [=====] - 0s 147us/step - loss: 0.1267

560/1149 [=====>...] - ETA: 0s - loss: 0.6332Epoch 10/20

20/1148 [...] - ETA: 0s - loss: 0.1823
600/1149 [=====>...] - ETA: 0s - loss: 0.1557
680/1149 [=====>...] - ETA: 0s - loss: 0.5858
340/1149 [=====>...] - ETA: 0s - loss: 0.1077
640/1149 [=====>...] - ETA: 0s - loss: 0.4655
460/1149 [=====>...] - ETA: 0s - loss: 0.1579
880/1149 [=====>...] - ETA: 0s - loss: 0.5969
460/1148 [=====>...] - ETA: 0s - loss: 0.1048
1040/1149 [=====>...] - ETA: 0s - loss: 0.1413
1100/1149 [=====>...] - ETA: 0s - loss: 0.5860
780/1149 [=====>...] - ETA: 0s - loss: 0.1161
1149/1149 [=====] - 0s 143us/step - loss: 0.5913
Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.7021
1149/1149 [=====] - 0s 147us/step - loss: 0.1385

1020/1149 [=====>...] - ETA: 0s - loss: 0.4632Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.1150
1149/1149 [=====] - 0s 110us/step - loss: 0.4400

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880/1149 [=====>...] - ETA: 0s - loss: 0.1430Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 1.1335
1000/1148 [=====>...] - ETA: 0s - loss: 0.1139
1040/1149 [=====>...] - ETA: 0s - loss: 0.6167
1149/1149 [=====] - 0s 135us/step - loss: 0.1277
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.1031
1148/1148 [=====] - 0s 105us/step - loss: 0.1162

480/1149 [=====>...] - ETA: 0s - loss: 0.5719Epoch 11/20

20/1148 [...] - ETA: 0s - loss: 0.1186
500/1149 [=====>...] - ETA: 0s - loss: 0.1425
1149/1149 [=====] - 0s 119us/step - loss: 0.1476
Epoch 12/15

20/1149 [...] - ETA: 0s - loss: 0.1090
1149/1149 [=====] - 0s 163us/step - loss: 0.5993
Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 0.3081
380/1149 [=====>...] - ETA: 0s - loss: 0.4870
440/1149 [=====>...] - ETA: 0s - loss: 0.1317
940/1149 [=====>...] - ETA: 0s - loss: 0.5300
420/1148 [=====>...] - ETA: 0s - loss: 0.1104
860/1149 [=====>...] - ETA: 0s - loss: 0.1462
420/1149 [=====>...] - ETA: 0s - loss: 0.1564
600/1149 [=====>...] - ETA: 0s - loss: 0.4701
780/1149 [=====>...] - ETA: 0s - loss: 0.4717
1149/1149 [=====] - 0s 119us/step - loss: 0.5012
Epoch 9/20

20/1149 [...] - ETA: 0s - loss: 0.2648
840/1149 [=====>...] - ETA: 0s - loss: 0.1295
1149/1149 [=====] - 0s 133us/step - loss: 0.1369

800/1148 [=====>...] - ETA: 0s - loss: 0.1108Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.1163
740/1149 [=====>...] - ETA: 0s - loss: 0.1601
1100/1149 [=====>...] - ETA: 0s - loss: 0.4235
1149/1149 [=====] - 0s 95us/step - loss: 0.4203

1120/1149 [=====>.] - ETA: 0s - loss: 0.4043Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.2417

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```

1149/1149 [=====] - 0s 143us/step - loss: 0.4026

400/1149 [=====>...] - ETA: 0s - loss: 0.4225Epoch 14/15

20/1149 [...] - ETA: 0s - loss: 0.4913
1149/1149 [=====] - 0s 132us/step - loss: 0.1267

1148/1148 [=====] - 0s 133us/step - loss: 0.1084

400/1149 [=====>...] - ETA: 0s - loss: 0.1507Epoch 12/20

20/1148 [...] - ETA: 0s - loss: 0.0706
1149/1149 [=====] - 0s 135us/step - loss: 0.1446
Epoch 13/15

20/1149 [...] - ETA: 0s - loss: 0.1465
340/1149 [=====>...] - ETA: 0s - loss: 0.3419
640/1149 [=====>...] - ETA: 0s - loss: 0.4297
440/1149 [=====>...] - ETA: 0s - loss: 0.3017
820/1149 [=====>...] - ETA: 0s - loss: 0.1336
460/1148 [=====>...] - ETA: 0s - loss: 0.0983
520/1149 [=====>...] - ETA: 0s - loss: 0.1419
640/1149 [=====>...] - ETA: 0s - loss: 0.3083
1149/1149 [=====] - 0s 119us/step - loss: 0.1350

940/1149 [=====>...] - ETA: 0s - loss: 0.4295
940/1149 [=====>...] - ETA: 0s - loss: 0.3615
880/1148 [=====>...] - ETA: 0s - loss: 0.1017
920/1149 [=====>...] - ETA: 0s - loss: 0.1391
1149/1149 [=====] - 0s 116us/step - loss: 0.3669
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.5022
1149/1149 [=====] - 0s 166us/step - loss: 0.4155
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.3082
1040/1149 [=====>...] - ETA: 0s - loss: 0.2900
1149/1149 [=====] - 0s 144us/step - loss: 0.2816

1148/1148 [=====] - 0s 124us/step - loss: 0.1017
Epoch 9/20

20/1149 [...] - ETA: 0s - loss: 0.1927Epoch 13/20

20/1148 [...] - ETA: 0s - loss: 0.0605
1149/1149 [=====] - 0s 129us/step - loss: 0.1429
Epoch 14/15

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20/1149 [...] - ETA: 0s - loss: 0.1353
360/1149 [=====>...] - ETA: 0s - loss: 0.3998
480/1149 [=====>...] - ETA: 0s - loss: 0.2968
540/1149 [=====>...] - ETA: 0s - loss: 0.2286
480/1148 [=====>...] - ETA: 0s - loss: 0.0946
440/1149 [=====>...] - ETA: 0s - loss: 0.1209
720/1149 [=====>...] - ETA: 0s - loss: 0.3561
1040/1149 [=====>...] - ETA: 0s - loss: 0.3311
1149/1149 [=====] - 0s 104us/step - loss: 0.3406

980/1149 [=====>...] - ETA: 0s - loss: 0.2171Epoch 11/20

20/1149 [...] - ETA: 0s - loss: 0.3172
860/1148 [=====>...] - ETA: 0s - loss: 0.0916
1149/1149 [=====] - 0s 107us/step - loss: 0.2041

840/1149 [=====>...] - ETA: 0s - loss: 0.1321Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.0929
1149/1149 [=====] - 0s 132us/step - loss: 0.3361

1148/1148 [=====] - 0s 122us/step - loss: 0.0975
Epoch 14/20

20/1148 [...] - ETA: 0s - loss: 0.0738
460/1149 [=====>...] - ETA: 0s - loss: 0.2649
1149/1149 [=====] - 0s 129us/step - loss: 0.1401
Epoch 15/15

20/1149 [...] - ETA: 0s - loss: 0.1503
460/1149 [=====>...] - ETA: 0s - loss: 0.1652
520/1148 [=====>...] - ETA: 0s - loss: 0.0921
980/1149 [=====>...] - ETA: 0s - loss: 0.2972
620/1149 [=====>...] - ETA: 0s - loss: 0.1666
920/1149 [=====>...] - ETA: 0s - loss: 0.1854
1149/1149 [=====] - 0s 116us/step - loss: 0.2859
Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.2422
900/1148 [=====>...] - ETA: 0s - loss: 0.0965
860/1149 [=====>...] - ETA: 0s - loss: 0.1514
1120/1149 [=====>.] - ETA: 0s - loss: 0.1785
1149/1149 [=====] - 0s 146us/step - loss: 0.1777
Epoch 11/20

20/1149 [...] - ETA: 0s - loss: 0.3933
1000/1148 [=====>...] - ETA: 0s - loss: 0.0958

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140/1149 [==>...] - ETA: 0s - loss: 0.3158  
960/1149 [=====>...] - ETA: 0s - loss: 0.1447  
1148/1148 [=====] - 0s 180us/step - loss: 0.0943  
Epoch 15/20

20/1148 [...] - ETA: 0s - loss: 0.0674  
1149/1149 [=====] - 0s 164us/step - loss: 0.1385

300/1149 [=====>...] - ETA: 0s - loss: 0.1860  
440/1149 [=====>...] - ETA: 0s - loss: 0.2851  
460/1148 [=====>...] - ETA: 0s - loss: 0.0889  
840/1149 [=====>...] - ETA: 0s - loss: 0.2695  
680/1149 [=====>...] - ETA: 0s - loss: 0.1764  
720/1148 [=====>...] - ETA: 0s - loss: 0.0878  
1000/1149 [=====>...] - ETA: 0s - loss: 0.1687  
1100/1149 [=====>..] - ETA: 0s - loss: 0.2513  
1149/1149 [=====] - 0s 206us/step - loss: 0.2492  
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.1390  
1149/1149 [=====] - 0s 167us/step - loss: 0.1691  
Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.1135  
1148/1148 [=====] - 0s 138us/step - loss: 0.0917  
Epoch 16/20

20/1148 [...] - ETA: 0s - loss: 0.0509  
400/1149 [=====>...] - ETA: 0s - loss: 0.2149Epoch 1/20

20/1149 [...] - ETA: 41s - loss: 1.3671  
440/1149 [=====>...] - ETA: 0s - loss: 0.1577  
460/1148 [=====>...] - ETA: 0s - loss: 0.0855  
780/1149 [=====>...] - ETA: 0s - loss: 0.2304  
900/1149 [=====>...] - ETA: 0s - loss: 0.1628  
440/1149 [=====>...] - ETA: 1s - loss: 1.1228  
900/1148 [=====>...] - ETA: 0s - loss: 0.0921  
1149/1149 [=====] - 0s 129us/step - loss: 0.1632  
1100/1149 [=====>..] - ETA: 0s - loss: 0.2217Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.0782  
800/1149 [=====>...] - ETA: 0s - loss: 1.0877  
1149/1149 [=====] - 0s 146us/step - loss: 0.2208  
Epoch 14/20

20/1149 [...] - ETA: 0s - loss: 0.5041  
1148/1148 [=====] - 0s 126us/step - loss: 0.0902

Epoch 17/20

```
20/1148 [...] - ETA: 0s - loss: 0.0248
340/1149 [=====>...] - ETA: 0s - loss: 0.1694
260/1148 [=====>...] - ETA: 0s - loss: 0.0872
400/1149 [=====>...] - ETA: 0s - loss: 0.1676
1000/1149 [=====>...] - ETA: 0s - loss: 1.0898
600/1149 [=====>...] - ETA: 0s - loss: 0.1586
1140/1149 [=====>...] - ETA: 0s - loss: 1.1251
540/1149 [=====>...] - ETA: 0s - loss: 0.1950
480/1148 [=====>...] - ETA: 0s - loss: 0.0935
1149/1149 [=====>...] - 1s 844us/step - loss: 1.1239
```

Epoch 2/20

```
20/1149 [...] - ETA: 0s - loss: 0.9752
820/1149 [=====>...] - ETA: 0s - loss: 0.1511
760/1149 [=====>...] - ETA: 0s - loss: 0.2061
740/1148 [=====>...] - ETA: 0s - loss: 0.0854
180/1149 [===>...] - ETA: 0s - loss: 0.9436
1000/1149 [=====>...] - ETA: 0s - loss: 0.1630
960/1149 [=====>...] - ETA: 0s - loss: 0.2037
920/1148 [=====>...] - ETA: 0s - loss: 0.0865
340/1149 [=====>...] - ETA: 0s - loss: 1.1452
1120/1149 [=====>...] - ETA: 0s - loss: 0.1612
1100/1149 [=====>...] - ETA: 0s - loss: 0.2046
1149/1149 [=====>...] - 0s 262us/step - loss: 0.1592

1060/1148 [=====>...] - ETA: 0s - loss: 0.0881
440/1149 [=====>...] - ETA: 0s - loss: 1.2468Epoch 14/20
```

```
20/1149 [...] - ETA: 0s - loss: 0.1091
1149/1149 [=====>...] - 0s 261us/step - loss: 0.2012
Epoch 15/20
```

```
20/1149 [...] - ETA: 0s - loss: 0.2079
1148/1148 [=====>...] - 0s 270us/step - loss: 0.0890
Epoch 18/20
```

```
20/1148 [...] - ETA: 0s - loss: 0.1220
600/1149 [=====>...] - ETA: 0s - loss: 1.2091
220/1149 [=====>...] - ETA: 0s - loss: 0.1224
280/1149 [=====>...] - ETA: 0s - loss: 0.2016
300/1148 [=====>...] - ETA: 0s - loss: 0.0898
920/1149 [=====>...] - ETA: 0s - loss: 1.1122
620/1149 [=====>...] - ETA: 0s - loss: 0.1560
700/1149 [=====>...] - ETA: 0s - loss: 0.1843
640/1148 [=====>...] - ETA: 0s - loss: 0.0856
1149/1149 [=====>...] - 0s 257us/step - loss: 1.0560
```

Epoch 3/20

20/1149 [...] - ETA: 0s - loss: 0.9244  
980/1149 [=====>...] - ETA: 0s - loss: 0.1538  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1905  
900/1148 [=====>...] - ETA: 0s - loss: 0.0852  
280/1149 [=====>...] - ETA: 0s - loss: 0.7478  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1524Epoch 1/20

20/1149 [...] - ETA: 37s - loss: 0.2498  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1897Epoch 1/5

30/1148 [...] - ETA: 23s - loss: 0.4381  
1149/1149 [=====] - 0s 207us/step - loss: 0.1557  
1149/1149 [=====] - 0s 200us/step - loss: 0.1882  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.1047Epoch 15/20

20/1149 [...] - ETA: 0s - loss: 0.0387  
940/1148 [=====>...] - ETA: 0s - loss: 0.0860  
580/1149 [=====>...] - ETA: 0s - loss: 0.9425  
320/1149 [=====>...] - ETA: 1s - loss: 1.0840  
540/1148 [=====>...] - ETA: 0s - loss: 0.3685  
460/1149 [=====>...] - ETA: 0s - loss: 0.1722  
460/1149 [=====>...] - ETA: 0s - loss: 0.1342  
1060/1148 [=====>...] - ETA: 0s - loss: 0.0857  
1148/1148 [=====] - 0s 245us/step - loss: 0.0880  
Epoch 19/20

20/1148 [...] - ETA: 0s - loss: 0.0355  
980/1149 [=====>...] - ETA: 0s - loss: 0.8655  
640/1149 [=====>...] - ETA: 0s - loss: 1.0868  
1110/1148 [=====>.] - ETA: 0s - loss: 0.3606  
1148/1148 [=====] - 1s 645us/step - loss: 0.3619  
1149/1149 [=====] - 0s 175us/step - loss: 0.8976  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.3398Epoch 2/5

30/1148 [...] - ETA: 0s - loss: 0.4291  
920/1149 [=====>...] - ETA: 0s - loss: 0.1850  
860/1149 [=====>...] - ETA: 0s - loss: 0.1472Epoch 1/5

30/1149 [...] - ETA: 25s - loss: 1.1374  
420/1148 [=====>...] - ETA: 0s - loss: 0.0893

1149/1149 [=====] - 0s 117us/step - loss: 0.1784  
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.1017  
1149/1149 [=====] - 0s 123us/step - loss: 0.1536  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.2418  
1000/1149 [=====>...] - ETA: 0s - loss: 1.0981  
520/1149 [=====>...] - ETA: 0s - loss: 0.7395  
900/1148 [=====>...] - ETA: 0s - loss: 0.3318  
300/1149 [=====>...] - ETA: 2s - loss: 1.1810  
1149/1149 [=====] - 1s 740us/step - loss: 1.0906

1148/1148 [=====] - 0s 65us/step - loss: 0.3216

860/1148 [=====>...] - ETA: 0s - loss: 0.0879Epoch 3/5

30/1148 [...] - ETA: 0s - loss: 0.2641Epoch 2/20

20/1149 [...] - ETA: 0s - loss: 0.8013Epoch 1/5

30/1149 [...] - ETA: 17s - loss: 0.4333  
460/1149 [=====>...] - ETA: 0s - loss: 0.1714  
500/1149 [=====>...] - ETA: 0s - loss: 0.1713  
940/1149 [=====>...] - ETA: 0s - loss: 0.7109  
1148/1148 [=====] - 0s 121us/step - loss: 0.0872  
Epoch 20/20

20/1148 [...] - ETA: 0s - loss: 0.0821  
720/1149 [=====>...] - ETA: 0s - loss: 1.2483  
720/1148 [=====>...] - ETA: 0s - loss: 0.2789  
500/1149 [=====>...] - ETA: 0s - loss: 1.0305  
360/1149 [=====>...] - ETA: 1s - loss: 1.2086  
1149/1149 [=====] - 0s 117us/step - loss: 0.6726  
Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.6840  
920/1149 [=====>...] - ETA: 0s - loss: 0.1755  
920/1149 [=====>...] - ETA: 0s - loss: 0.1609  
1149/1149 [=====] - 1s 729us/step - loss: 1.1843

460/1148 [=====>...] - ETA: 0s - loss: 0.0964Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 0.8382  
1149/1149 [=====] - 0s 116us/step - loss: 0.1701  
Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.1230  
 1148/1148 [=====] - 0s 86us/step - loss: 0.2731  
  
 1149/1149 [=====] - 0s 117us/step - loss: 0.1506  
 Epoch 4/5  
  
 30/1148 [...] - ETA: 0s - loss: 0.2941Epoch 17/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1149  
 940/1149 [=====>...] - ETA: 0s - loss: 1.0660  
 660/1149 [=====>...] - ETA: 0s - loss: 1.1944  
 440/1149 [=====>...] - ETA: 0s - loss: 0.5679  
 1149/1149 [=====] - 0s 115us/step - loss: 1.0460  
 Epoch 3/20  
  
 20/1149 [...] - ETA: 0s - loss: 1.2220  
 940/1148 [=====>...] - ETA: 0s - loss: 0.0887  
 630/1149 [=====>...] - ETA: 0s - loss: 1.1059  
 460/1149 [=====>...] - ETA: 0s - loss: 0.1651  
 630/1148 [=====>...] - ETA: 0s - loss: 0.2559  
 500/1149 [=====>...] - ETA: 0s - loss: 0.1155  
 1020/1149 [=====>...] - ETA: 0s - loss: 1.1266  
 1148/1148 [=====] - 0s 110us/step - loss: 0.0865  
  
 860/1149 [=====>...] - ETA: 0s - loss: 0.4930  
 1149/1149 [=====] - 1s 574us/step - loss: 1.1727  
 Epoch 2/5  
  
 30/1149 [...] - ETA: 0s - loss: 1.1726  
 500/1149 [=====>...] - ETA: 0s - loss: 1.0363  
 1148/1148 [=====] - 0s 78us/step - loss: 0.2265  
 Epoch 5/5  
  
 30/1148 [...] - ETA: 0s - loss: 0.1999  
 1140/1149 [=====>.] - ETA: 0s - loss: 1.1425  
 1149/1149 [=====] - 0s 92us/step - loss: 1.1515  
  
 1149/1149 [=====] - 0s 120us/step - loss: 0.4399  
 Epoch 3/5  
  
 30/1149 [...] - ETA: 0s - loss: 0.7301Epoch 6/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.2274  
 860/1149 [=====>...] - ETA: 0s - loss: 0.1663  
 920/1149 [=====>...] - ETA: 0s - loss: 0.1492  
 1149/1149 [=====] - 0s 112us/step - loss: 0.1489  
  
 1149/1149 [=====] - 0s 119us/step - loss: 0.1640



Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.4239Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.1893  
300/1149 [=====>...] - ETA: 0s - loss: 1.0318  
980/1149 [=====>...] - ETA: 0s - loss: 0.9993  
780/1148 [=====>...] - ETA: 0s - loss: 0.1921  
720/1149 [=====>...] - ETA: 0s - loss: 1.0852  
480/1149 [=====>...] - ETA: 0s - loss: 0.3246  
1149/1149 [=====] - 0s 110us/step - loss: 0.9591  
Epoch 4/20

20/1149 [...] - ETA: 0s - loss: 0.8020  
1148/1148 [=====] - 0s 71us/step - loss: 0.1895  
  
480/1149 [=====>...] - ETA: 0s - loss: 0.1394  
420/1149 [=====>...] - ETA: 0s - loss: 0.1739  
990/1149 [=====>...] - ETA: 0s - loss: 1.1218  
1149/1149 [=====] - 0s 86us/step - loss: 1.0849  
Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 1.1175  
1149/1149 [=====] - 0s 101us/step - loss: 1.1339  
  
1000/1149 [=====>...] - ETA: 0s - loss: 0.2766Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 1.1578  
500/1149 [=====>...] - ETA: 0s - loss: 0.9625  
1149/1149 [=====] - 0s 108us/step - loss: 0.2600  
Epoch 7/20

20/1149 [...] - ETA: 0s - loss: 0.3374  
960/1149 [=====>...] - ETA: 0s - loss: 0.1465  
900/1149 [=====>...] - ETA: 0s - loss: 0.1695  
660/1149 [=====>...] - ETA: 0s - loss: 0.9998  
810/1149 [=====>...] - ETA: 0s - loss: 1.0684  
1149/1149 [=====] - 0s 110us/step - loss: 0.1469  
Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.0678  
1149/1149 [=====] - 0s 115us/step - loss: 0.1590

960/1149 [=====>...] - ETA: 0s - loss: 0.8443Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0683  
440/1149 [=====>...] - ETA: 0s - loss: 0.1958  
1149/1149 [=====] - 0s 65us/step - loss: 1.0565

Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 1.1744  
1149/1149 [=====] - 0s 119us/step - loss: 0.8232  
  
1149/1149 [=====] - 0s 91us/step - loss: 0.9846  
Epoch 5/20

20/1149 [...] - ETA: 0s - loss: 0.4898Epoch 5/5  
  
30/1149 [...] - ETA: 0s - loss: 0.7284  
440/1149 [=====>...] - ETA: 0s - loss: 0.1713  
340/1149 [=====>...] - ETA: 0s - loss: 0.1695  
570/1149 [=====>...] - ETA: 0s - loss: 0.9909  
740/1149 [=====>...] - ETA: 0s - loss: 0.1797  
280/1149 [=====>...] - ETA: 0s - loss: 0.6306  
900/1149 [=====>...] - ETA: 0s - loss: 0.8740  
940/1149 [=====>...] - ETA: 0s - loss: 0.1401  
700/1149 [=====>...] - ETA: 0s - loss: 0.1635  
1149/1149 [=====] - 0s 64us/step - loss: 0.8726  
  
1080/1149 [=====>..] - ETA: 0s - loss: 0.9362  
1020/1149 [=====>...] - ETA: 0s - loss: 0.1815  
1149/1149 [=====] - 0s 113us/step - loss: 0.1452  
Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0801  
1149/1149 [=====] - 0s 99us/step - loss: 0.9473  
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 0.3474  
1149/1149 [=====] - 0s 156us/step - loss: 0.1798  
  
620/1149 [=====>...] - ETA: 0s - loss: 0.6927Epoch 8/20

20/1149 [...] - ETA: 0s - loss: 0.0860  
1100/1149 [=====>..] - ETA: 0s - loss: 0.1504  
1149/1149 [=====] - 0s 142us/step - loss: 0.1558  
  
480/1149 [=====>...] - ETA: 0s - loss: 0.1498  
690/1149 [=====>...] - ETA: 0s - loss: 0.7837  
1040/1149 [=====>...] - ETA: 0s - loss: 0.6301  
460/1149 [=====>...] - ETA: 0s - loss: 0.1780  
1149/1149 [=====] - 0s 157us/step - loss: 0.6472  
Epoch 6/20

20/1149 [...] - ETA: 0s - loss: 0.6013  
760/1149 [=====>...] - ETA: 0s - loss: 0.1551

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1020/1149 [=====>...] - ETA: 0s - loss: 0.8363
 780/1149 [=====>...] - ETA: 0s - loss: 0.1730
1149/1149 [=====] - 0s 117us/step - loss: 0.8259

 300/1149 [=====>...] - ETA: 0s - loss: 0.5537
1000/1149 [=====>...] - ETA: 0s - loss: 0.1488
1060/1149 [=====>...] - ETA: 0s - loss: 0.1603
1149/1149 [=====] - 0s 155us/step - loss: 0.1435

1149/1149 [=====] - 0s 152us/step - loss: 0.1555
Epoch 9/20

 20/1149 [...] - ETA: 0s - loss: 0.1212
 640/1149 [=====>...] - ETA: 0s - loss: 0.4977
1120/1149 [=====>.] - ETA: 0s - loss: 0.4875
 420/1149 [=====>...] - ETA: 0s - loss: 0.1102
1149/1149 [=====] - 0s 139us/step - loss: 0.4845
Epoch 7/20

 20/1149 [...] - ETA: 0s - loss: 0.3181
 940/1149 [=====>...] - ETA: 0s - loss: 0.1459
 500/1149 [=====>...] - ETA: 0s - loss: 0.4153
1149/1149 [=====] - 0s 122us/step - loss: 0.1443
Epoch 10/20

 20/1149 [...] - ETA: 0s - loss: 0.0667
 860/1149 [=====>...] - ETA: 0s - loss: 0.3810
 500/1149 [=====>...] - ETA: 0s - loss: 0.1366
1149/1149 [=====] - 0s 121us/step - loss: 0.3590
Epoch 8/20

 20/1149 [...] - ETA: 0s - loss: 0.1949
 980/1149 [=====>...] - ETA: 0s - loss: 0.1370
 420/1149 [=====>...] - ETA: 0s - loss: 0.2866
1149/1149 [=====] - 0s 113us/step - loss: 0.1387
Epoch 11/20

 20/1149 [...] - ETA: 0s - loss: 0.1177
 760/1149 [=====>...] - ETA: 0s - loss: 0.2785
 320/1149 [=====>...] - ETA: 0s - loss: 0.1570
1080/1149 [=====>..] - ETA: 0s - loss: 0.2682
1149/1149 [=====] - 0s 150us/step - loss: 0.2620
Epoch 9/20

 20/1149 [...] - ETA: 0s - loss: 0.1970
 580/1149 [=====>...] - ETA: 0s - loss: 0.1411
 280/1149 [=====>...] - ETA: 0s - loss: 0.2428
 820/1149 [=====>...] - ETA: 0s - loss: 0.1309Epoch 1/10

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30/1148 [...] - ETA: 10s - loss: 0.4377
580/1149 [=====>...] - ETA: 0s - loss: 0.2334
1149/1149 [=====] - 0s 184us/step - loss: 0.1346
Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.1628Epoch 1/10

30/1149 [...] - ETA: 11s - loss: 0.9009Epoch 1/10

30/1149 [...] - ETA: 10s - loss: 0.9999Epoch 1/5

30/1149 [...] - ETA: 10s - loss: 1.1512
390/1148 [=====>...] - ETA: 0s - loss: 0.3788 Epoch 1/10

30/1149 [...] - ETA: 9s - loss: 1.1240
940/1149 [=====>...] - ETA: 0s - loss: 0.2240
400/1149 [=====>...] - ETA: 0s - loss: 0.1436
480/1149 [=====>...] - ETA: 0s - loss: 1.0556
900/1149 [=====>...] - ETA: 0s - loss: 1.1878
570/1149 [=====>...] - ETA: 0s - loss: 1.1717
1080/1148 [=====>...] - ETA: 0s - loss: 0.3596
1148/1148 [=====] - 0s 350us/step - loss: 0.3594

1149/1149 [=====] - 0s 167us/step - loss: 0.2118
Epoch 10/20

20/1149 [...] - ETA: 0s - loss: 0.1631Epoch 2/10

30/1148 [...] - ETA: 0s - loss: 0.4874
1149/1149 [=====] - 0s 297us/step - loss: 1.1757
Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 0.5321Epoch 1/5

30/1149 [...] - ETA: 10s - loss: 1.2928
300/1149 [=====>...] - ETA: 0s - loss: 1.0109
740/1149 [=====>...] - ETA: 0s - loss: 0.1352
960/1149 [=====>...] - ETA: 0s - loss: 1.1620
990/1149 [=====>...] - ETA: 0s - loss: 1.1426
840/1148 [=====>...] - ETA: 0s - loss: 0.3232
460/1149 [=====>...] - ETA: 0s - loss: 0.1900
690/1149 [=====>...] - ETA: 0s - loss: 1.1932
1149/1149 [=====] - 0s 370us/step - loss: 1.1780

1149/1149 [=====] - 0s 340us/step - loss: 1.1302
Epoch 2/10

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30/1149 [...] - ETA: 0s - loss: 1.0763Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 1.2348  
690/1149 [=====>...] - ETA: 0s - loss: 1.0873  
270/1149 [=====>...] - ETA: 1s - loss: 1.5520  
1100/1149 [=====>...] - ETA: 0s - loss: 0.1317  
1148/1148 [=====] - 0s 68us/step - loss: 0.3039  
Epoch 3/10

30/1148 [...] - ETA: 0s - loss: 0.2440  
1149/1149 [=====] - 0s 145us/step - loss: 0.1310  
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.0858  
880/1149 [=====>...] - ETA: 0s - loss: 0.1772  
1149/1149 [=====] - 0s 89us/step - loss: 1.1571  
Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 0.9554  
600/1149 [=====>...] - ETA: 0s - loss: 1.1397  
510/1149 [=====>...] - ETA: 0s - loss: 1.1820  
1050/1149 [=====>...] - ETA: 0s - loss: 1.1150  
600/1149 [=====>...] - ETA: 0s - loss: 1.1527  
810/1148 [=====>...] - ETA: 0s - loss: 0.2487  
400/1149 [=====>...] - ETA: 0s - loss: 0.1408  
1149/1149 [=====] - 0s 122us/step - loss: 0.1871

1149/1149 [=====] - 0s 381us/step - loss: 1.1277  
Epoch 11/20

20/1149 [...] - ETA: 0s - loss: 0.0762Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 1.0456  
1148/1148 [=====] - 0s 72us/step - loss: 0.2420

600/1149 [=====>...] - ETA: 0s - loss: 1.1396  
1149/1149 [=====] - 0s 90us/step - loss: 1.1343  
Epoch 4/10

30/1148 [...] - ETA: 0s - loss: 0.2087  
1140/1149 [=====>.] - ETA: 0s - loss: 1.1047Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 1.2061  
1149/1149 [=====] - 0s 96us/step - loss: 1.0996  
Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 0.9160  
930/1149 [=====>...] - ETA: 0s - loss: 1.1195

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820/1149 [=====>...] - ETA: 0s - loss: 0.1365
440/1149 [=====>...] - ETA: 0s - loss: 0.1776
810/1149 [=====>...] - ETA: 0s - loss: 1.1434
1149/1149 [=====] - 0s 423us/step - loss: 1.0935
Epoch 2/5

30/1149 [...] - ETA: 0s - loss: 1.1757
1110/1149 [=====>..] - ETA: 0s - loss: 1.1103
570/1148 [=====>...] - ETA: 0s - loss: 0.2134
660/1149 [=====>...] - ETA: 0s - loss: 1.0226
1149/1149 [=====] - 0s 99us/step - loss: 1.1236

1149/1149 [=====] - 0s 70us/step - loss: 1.1008
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 1.0811Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 0.7343
390/1149 [=====>...] - ETA: 0s - loss: 0.9237
1149/1149 [=====] - 0s 129us/step - loss: 0.1289
Epoch 14/20

20/1149 [...] - ETA: 0s - loss: 0.0697
920/1149 [=====>...] - ETA: 0s - loss: 0.1737
1149/1149 [=====] - 0s 74us/step - loss: 1.0505
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 1.0658
420/1149 [=====>...] - ETA: 0s - loss: 1.1645
1080/1148 [=====>..] - ETA: 0s - loss: 0.1992
1148/1148 [=====] - 0s 95us/step - loss: 0.1969
Epoch 5/10

30/1148 [...] - ETA: 0s - loss: 0.1781
1149/1149 [=====] - 0s 117us/step - loss: 0.1739

690/1149 [=====>...] - ETA: 0s - loss: 1.0364
690/1149 [=====>...] - ETA: 0s - loss: 1.0478Epoch 12/20

20/1149 [...] - ETA: 0s - loss: 0.1439
780/1149 [=====>...] - ETA: 0s - loss: 0.9940
420/1149 [=====>...] - ETA: 0s - loss: 0.1333
570/1149 [=====>...] - ETA: 0s - loss: 0.9428
1149/1149 [=====] - 0s 115us/step - loss: 1.0360
Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 0.2953
930/1149 [=====>...] - ETA: 0s - loss: 1.1082

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690/1148 [=====>...] - ETA: 0s - loss: 0.1707
1050/1149 [=====>...] - ETA: 0s - loss: 1.0744
1140/1149 [=====>.] - ETA: 0s - loss: 1.0698
480/1149 [=====>...] - ETA: 0s - loss: 0.1844
1149/1149 [=====] - 0s 95us/step - loss: 1.0698
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 1.8533
860/1149 [=====>...] - ETA: 0s - loss: 0.1303
1149/1149 [=====] - 0s 103us/step - loss: 1.0483
Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 0.3827
1149/1149 [=====] - 0s 117us/step - loss: 1.0514
Epoch 3/5

30/1149 [...] - ETA: 0s - loss: 0.5173
1080/1149 [=====>..] - ETA: 0s - loss: 0.9337
1148/1148 [=====] - 0s 75us/step - loss: 0.1715

870/1149 [=====>...] - ETA: 0s - loss: 0.9817Epoch 6/10

30/1148 [...] - ETA: 0s - loss: 0.1072
1149/1149 [=====] - 0s 99us/step - loss: 0.9318
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 1.1774
1149/1149 [=====] - 0s 121us/step - loss: 0.1268
Epoch 15/20

20/1149 [...] - ETA: 0s - loss: 0.1049
1149/1149 [=====] - 0s 62us/step - loss: 0.9362
Epoch 5/5

30/1149 [...] - ETA: 0s - loss: 1.1178
980/1149 [=====>...] - ETA: 0s - loss: 0.1663
510/1149 [=====>...] - ETA: 0s - loss: 1.0062
450/1149 [=====>...] - ETA: 0s - loss: 0.8591
600/1149 [=====>...] - ETA: 0s - loss: 0.8288
1149/1149 [=====] - 0s 110us/step - loss: 0.1646
Epoch 13/20

20/1149 [...] - ETA: 0s - loss: 0.2031
570/1148 [=====>...] - ETA: 0s - loss: 0.1535
630/1149 [=====>...] - ETA: 0s - loss: 0.8015
500/1149 [=====>...] - ETA: 0s - loss: 0.1278
480/1149 [=====>...] - ETA: 0s - loss: 0.8681
1140/1149 [=====>.] - ETA: 0s - loss: 0.9970

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1149/1149 [=====] - 0s 95us/step - loss: 1.0015  
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.5696  
1080/1149 [=====>...] - ETA: 0s - loss: 0.9712  
1149/1149 [=====] - 0s 91us/step - loss: 0.9661  
Epoch 4/5

30/1149 [...] - ETA: 0s - loss: 0.5268  
1149/1149 [=====] - 0s 76us/step - loss: 0.7761  
Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.8026  
1149/1149 [=====] - 0s 99us/step - loss: 0.9661  
Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 1.5032  
440/1149 [=====>...] - ETA: 0s - loss: 0.1735  
990/1148 [=====>...] - ETA: 0s - loss: 0.1478  
960/1149 [=====>...] - ETA: 0s - loss: 0.1238  
900/1149 [=====>...] - ETA: 0s - loss: 0.7951  
1148/1148 [=====] - 0s 109us/step - loss: 0.1529  
Epoch 7/10

30/1148 [...] - ETA: 0s - loss: 0.1344  
750/1149 [=====>...] - ETA: 0s - loss: 0.9275  
1149/1149 [=====] - 0s 110us/step - loss: 0.1265  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.5759  
630/1149 [=====>...] - ETA: 0s - loss: 0.6484  
840/1149 [=====>...] - ETA: 0s - loss: 0.1595  
720/1149 [=====>...] - ETA: 0s - loss: 0.9122  
570/1149 [=====>...] - ETA: 0s - loss: 0.9229  
1140/1149 [=====>...] - ETA: 0s - loss: 0.7931  
1149/1149 [=====] - 0s 136us/step - loss: 0.7957

300/1148 [=====>...] - ETA: 0s - loss: 0.1468  
1149/1149 [=====] - 0s 95us/step - loss: 0.9315  
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 1.0465  
1149/1149 [=====] - 0s 92us/step - loss: 0.8506

340/1149 [=====>...] - ETA: 0s - loss: 0.1374  
1149/1149 [=====] - 0s 135us/step - loss: 0.1560  
Epoch 5/5



30/1149 [...] - ETA: 0s - loss: 0.6545  
 1140/1149 [=====>.] - ETA: 0s - loss: 0.6024  
 1050/1149 [=====>...] - ETA: 0s - loss: 0.8825  
 1149/1149 [=====] - 0s 97us/step - loss: 0.5996  
 Epoch 14/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1797Epoch 7/10  
  
 30/1149 [...] - ETA: 0s - loss: 0.3555  
 1149/1149 [=====] - 0s 99us/step - loss: 0.8576  
 Epoch 6/10  
  
 30/1149 [...] - ETA: 0s - loss: 0.8359  
 870/1148 [=====>...] - ETA: 0s - loss: 0.1324  
 660/1149 [=====>...] - ETA: 0s - loss: 0.8875  
 800/1149 [=====>...] - ETA: 0s - loss: 0.1291  
 630/1149 [=====>...] - ETA: 0s - loss: 0.7813  
 1148/1148 [=====] - 0s 114us/step - loss: 0.1358  
  
 440/1149 [=====>...] - ETA: 0s - loss: 0.1544  
 630/1149 [=====>...] - ETA: 0s - loss: 0.4630Epoch 8/10  
  
 30/1148 [...] - ETA: 0s - loss: 0.1728  
 630/1149 [=====>...] - ETA: 0s - loss: 0.7616  
 1149/1149 [=====] - 0s 83us/step - loss: 0.8702  
 Epoch 8/10  
  
 30/1149 [...] - ETA: 0s - loss: 0.6598  
 1149/1149 [=====] - 0s 133us/step - loss: 0.1248  
 Epoch 17/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1649  
 1149/1149 [=====] - 0s 90us/step - loss: 0.7060  
  
 1149/1149 [=====] - 0s 87us/step - loss: 0.4245  
 Epoch 8/10  
  
 30/1149 [...] - ETA: 0s - loss: 0.1869  
 720/1148 [=====>...] - ETA: 0s - loss: 0.1167  
 940/1149 [=====>...] - ETA: 0s - loss: 0.1485  
 1149/1149 [=====] - 0s 91us/step - loss: 0.7182  
 Epoch 7/10  
  
 30/1149 [...] - ETA: 0s - loss: 0.7587  
 1149/1149 [=====] - 0s 112us/step - loss: 0.1502  
 Epoch 15/20  
  
 20/1149 [...] - ETA: 0s - loss: 0.1051

1148/1148 [=====] - 0s 70us/step - loss: 0.1229  
Epoch 9/10

30/1148 [...] - ETA: 0s - loss: 0.0935  
570/1149 [=====>...] - ETA: 0s - loss: 0.8293  
520/1149 [=====>...] - ETA: 0s - loss: 0.1241  
510/1149 [=====>...] - ETA: 0s - loss: 0.2968  
690/1149 [=====>...] - ETA: 0s - loss: 0.6087  
520/1149 [=====>...] - ETA: 0s - loss: 0.1333  
780/1148 [=====>...] - ETA: 0s - loss: 0.1168  
1149/1149 [=====] - 0s 91us/step - loss: 0.8236  
Epoch 9/10

30/1149 [...] - ETA: 0s - loss: 0.7842  
980/1149 [=====>...] - ETA: 0s - loss: 0.1149  
1080/1149 [=====>..] - ETA: 0s - loss: 0.2752  
1148/1148 [=====] - 0s 71us/step - loss: 0.1139

1149/1149 [=====] - 0s 109us/step - loss: 0.1251

1149/1149 [=====] - 0s 90us/step - loss: 0.5702

1149/1149 [=====] - 0s 100us/step - loss: 0.2775  
Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.0940Epoch 10/10

30/1148 [...] - ETA: 0s - loss: 0.1142Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.3842Epoch 9/10

30/1149 [...] - ETA: 0s - loss: 0.1959  
960/1149 [=====>...] - ETA: 0s - loss: 0.1471  
690/1149 [=====>...] - ETA: 0s - loss: 0.8226  
1149/1149 [=====] - 0s 117us/step - loss: 0.1464  
Epoch 16/20

20/1149 [...] - ETA: 0s - loss: 0.1000  
440/1149 [=====>...] - ETA: 0s - loss: 0.1197  
600/1148 [=====>...] - ETA: 0s - loss: 0.1063  
720/1149 [=====>...] - ETA: 0s - loss: 0.1905  
810/1149 [=====>...] - ETA: 0s - loss: 0.4515  
1149/1149 [=====] - 0s 79us/step - loss: 0.7904  
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.4735  
1149/1149 [=====] - 0s 71us/step - loss: 0.4246  
Epoch 9/10

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30/1149 [...] - ETA: 0s - loss: 0.2691
1149/1149 [=====] - 0s 78us/step - loss: 0.1846
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.1643
420/1149 [=====>...] - ETA: 0s - loss: 0.1391
1148/1148 [=====] - 0s 90us/step - loss: 0.1077

900/1149 [=====>...] - ETA: 0s - loss: 0.1168
660/1149 [=====>...] - ETA: 0s - loss: 0.7608
1149/1149 [=====] - 0s 117us/step - loss: 0.1242

720/1149 [=====>...] - ETA: 0s - loss: 0.2909Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.0991
660/1149 [=====>...] - ETA: 0s - loss: 0.1458
880/1149 [=====>...] - ETA: 0s - loss: 0.1531
1149/1149 [=====] - 0s 76us/step - loss: 0.7627

1149/1149 [=====] - 0s 75us/step - loss: 0.2954
Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.2436
1149/1149 [=====] - 0s 74us/step - loss: 0.1457

1149/1149 [=====] - 0s 116us/step - loss: 0.1437
Epoch 17/20

20/1149 [...] - ETA: 0s - loss: 0.1918
520/1149 [=====>...] - ETA: 0s - loss: 0.1448
720/1149 [=====>...] - ETA: 0s - loss: 0.2131
540/1149 [=====>...] - ETA: 0s - loss: 0.1286
1080/1149 [=====>...] - ETA: 0s - loss: 0.1258
1149/1149 [=====] - 0s 105us/step - loss: 0.1232

1149/1149 [=====] - 0s 74us/step - loss: 0.2092
Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0512
920/1149 [=====>...] - ETA: 0s - loss: 0.1440
400/1149 [=====>...] - ETA: 0s - loss: 0.1088
1149/1149 [=====] - 0s 120us/step - loss: 0.1413
Epoch 18/20

20/1149 [...] - ETA: 0s - loss: 0.0757
680/1149 [=====>...] - ETA: 0s - loss: 0.1068
280/1149 [=====>...] - ETA: 0s - loss: 0.1562Epoch 1/10

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30/1149 [...] - ETA: 12s - loss: 0.8218
940/1149 [=====>...] - ETA: 0s - loss: 0.1184
660/1149 [=====>...] - ETA: 0s - loss: 0.1427
480/1149 [=====>...] - ETA: 0s - loss: 1.0368
1149/1149 [=====] - 0s 167us/step - loss: 0.1232

1020/1149 [=====>...] - ETA: 0s - loss: 0.1394
1110/1149 [=====>..] - ETA: 0s - loss: 1.0834
1149/1149 [=====] - 0s 393us/step - loss: 1.0934
Epoch 2/10

30/1149 [...] - ETA: 0s - loss: 0.8655Epoch 1/15

30/1148 [...] - ETA: 12s - loss: 0.3607
1149/1149 [=====] - 0s 158us/step - loss: 0.1385
Epoch 19/20

20/1149 [...] - ETA: 0s - loss: 0.0869
660/1149 [=====>...] - ETA: 0s - loss: 1.1453
270/1148 [=====>...] - ETA: 1s - loss: 0.3789
460/1149 [=====>...] - ETA: 0s - loss: 0.1162
1140/1149 [=====>..] - ETA: 0s - loss: 1.0666
1149/1149 [=====] - 0s 94us/step - loss: 1.0628
Epoch 3/10

30/1149 [...] - ETA: 0s - loss: 1.1583
720/1148 [=====>...] - ETA: 0s - loss: 0.3666
840/1149 [=====>...] - ETA: 0s - loss: 0.1405
1148/1148 [=====] - 0s 426us/step - loss: 0.3522
Epoch 2/15

30/1148 [...] - ETA: 0s - loss: 0.3515Epoch 1/15

30/1149 [...] - ETA: 12s - loss: 1.1843
600/1149 [=====>...] - ETA: 0s - loss: 1.0514
1149/1149 [=====] - 0s 132us/step - loss: 0.1362
Epoch 20/20

20/1149 [...] - ETA: 0s - loss: 0.0962
1149/1149 [=====] - 0s 83us/step - loss: 1.0015

630/1148 [=====>...] - ETA: 0s - loss: 0.2827Epoch 4/10

30/1149 [...] - ETA: 0s - loss: 0.8261
510/1149 [=====>...] - ETA: 0s - loss: 1.0656
440/1149 [=====>...] - ETA: 0s - loss: 0.1320
1148/1148 [=====] - 0s 74us/step - loss: 0.2828

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Epoch 3/15

30/1148 [...] - ETA: 0s - loss: 0.1402Epoch 1/15

30/1149 [...] - ETA: 13s - loss: 1.2952Epoch 1/15

30/1149 [...] - ETA: 12s - loss: 1.2306

570/1149 [=====>...] - ETA: 0s - loss: 0.9846

1110/1149 [=====>..] - ETA: 0s - loss: 1.1763

1149/1149 [=====] - 0s 378us/step - loss: 1.1851

820/1149 [=====>...] - ETA: 0s - loss: 0.1398Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 1.3221

720/1148 [=====>...] - ETA: 0s - loss: 0.2253

600/1149 [=====>...] - ETA: 0s - loss: 1.1832

360/1149 [=====>...] - ETA: 0s - loss: 1.2924

1149/1149 [=====] - 0s 90us/step - loss: 0.9044

Epoch 5/10

30/1149 [...] - ETA: 0s - loss: 1.5941

1149/1149 [=====] - 0s 128us/step - loss: 0.1345

750/1149 [=====>...] - ETA: 0s - loss: 1.2489

1148/1148 [=====] - 0s 75us/step - loss: 0.2123

Epoch 4/15

30/1148 [...] - ETA: 0s - loss: 0.4412

1149/1149 [=====] - 0s 70us/step - loss: 1.1565

Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 0.8838

1149/1149 [=====] - 0s 410us/step - loss: 1.1705

Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 1.6233

660/1149 [=====>...] - ETA: 0s - loss: 1.1670

660/1149 [=====>...] - ETA: 0s - loss: 0.8093

630/1148 [=====>...] - ETA: 0s - loss: 0.1863

750/1149 [=====>...] - ETA: 0s - loss: 1.1232

750/1149 [=====>...] - ETA: 0s - loss: 1.1973

1149/1149 [=====] - 0s 83us/step - loss: 0.7748

Epoch 6/10

30/1149 [...] - ETA: 0s - loss: 0.2597

990/1149 [=====>...] - ETA: 0s - loss: 1.1667

1149/1149 [=====] - 0s 433us/step - loss: 1.1347

Epoch 2/15

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30/1149 [...] - ETA: 0s - loss: 2.0500
1148/1148 [=====] - 0s 89us/step - loss: 0.1690
Epoch 5/15

30/1148 [...] - ETA: 0s - loss: 0.1772
1149/1149 [=====] - 0s 79us/step - loss: 1.0903
Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.8845
1149/1149 [=====] - 0s 90us/step - loss: 1.1331

750/1149 [=====>...] - ETA: 0s - loss: 0.6270Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 0.5916
810/1149 [=====>...] - ETA: 0s - loss: 1.1755
720/1148 [=====>...] - ETA: 0s - loss: 0.1582
1149/1149 [=====] - 0s 68us/step - loss: 0.6204
Epoch 7/10

30/1149 [...] - ETA: 0s - loss: 0.4685
690/1149 [=====>...] - ETA: 0s - loss: 1.0336
1149/1149 [=====] - 0s 70us/step - loss: 1.1173
Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 2.3949
600/1149 [=====>...] - ETA: 0s - loss: 1.2277
1148/1148 [=====] - 0s 81us/step - loss: 0.1482
Epoch 6/15

30/1148 [...] - ETA: 0s - loss: 0.1253
720/1149 [=====>...] - ETA: 0s - loss: 0.4555
1149/1149 [=====] - 0s 78us/step - loss: 1.0531

1140/1149 [=====>.] - ETA: 0s - loss: 0.9861Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.9749
1149/1149 [=====] - 0s 95us/step - loss: 0.9860
Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 0.6984
690/1149 [=====>...] - ETA: 0s - loss: 1.0549
1149/1149 [=====] - 0s 69us/step - loss: 0.4694
Epoch 8/10

30/1149 [...] - ETA: 0s - loss: 0.2972
690/1148 [=====>...] - ETA: 0s - loss: 0.1309
810/1149 [=====>...] - ETA: 0s - loss: 0.9705

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450/1149 [=====>...] - ETA: 0s - loss: 0.9080  
 1148/1148 [=====] - 0s 74us/step - loss: 0.1318  
 Epoch 7/15

30/1148 [...] - ETA: 0s - loss: 0.1086  
 1140/1149 [=====>.] - ETA: 0s - loss: 1.0785Epoch 1/20

30/1148 [...] - ETA: 14s - loss: 0.4135  
 780/1149 [=====>...] - ETA: 0s - loss: 0.3430  
 1149/1149 [=====] - 0s 96us/step - loss: 1.0737  
 Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 0.7234  
 1149/1149 [=====] - 0s 75us/step - loss: 0.9252  
 Epoch 1/15

30/1149 [...] - ETA: 12s - loss: 0.9608Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 0.6803  
 1149/1149 [=====] - 0s 71us/step - loss: 0.3381  
 Epoch 9/10

30/1149 [...] - ETA: 0s - loss: 0.1652  
 1149/1149 [=====] - 0s 94us/step - loss: 0.8494  
 Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.9787  
 720/1148 [=====>...] - ETA: 0s - loss: 0.1307  
 540/1148 [=====>...] - ETA: 0s - loss: 0.3997  
 690/1149 [=====>...] - ETA: 0s - loss: 0.9307  
 750/1149 [=====>...] - ETA: 0s - loss: 0.8303  
 240/1149 [=====>...] - ETA: 1s - loss: 0.9998  
 1148/1148 [=====] - 0s 74us/step - loss: 0.1193  
 Epoch 8/15

30/1148 [...] - ETA: 0s - loss: 0.1609  
 750/1149 [=====>...] - ETA: 0s - loss: 0.2567  
 1149/1149 [=====] - 0s 77us/step - loss: 0.9970  
 Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 0.6952  
 750/1149 [=====>...] - ETA: 0s - loss: 0.7168  
 1050/1148 [=====>...] - ETA: 0s - loss: 0.3691  
 1149/1149 [=====] - 0s 72us/step - loss: 0.7477  
 Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.4576  
 1148/1148 [=====] - 0s 426us/step - loss: 0.3627

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1149/1149 [=====] - 0s 73us/step - loss: 0.2453
Epoch 2/20

30/1148 [...] - ETA: 0s - loss: 0.2500Epoch 10/10

30/1149 [...] - ETA: 0s - loss: 0.4361
1149/1149 [=====] - 0s 72us/step - loss: 0.6832

570/1149 [=====>...] - ETA: 0s - loss: 1.0634Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.4770
780/1148 [=====>...] - ETA: 0s - loss: 0.1063
720/1149 [=====>...] - ETA: 0s - loss: 0.8844
780/1149 [=====>...] - ETA: 0s - loss: 0.5643
1148/1148 [=====] - 0s 70us/step - loss: 0.1089
Epoch 9/15

30/1148 [...] - ETA: 0s - loss: 0.1188
690/1148 [=====>...] - ETA: 0s - loss: 0.3345
660/1149 [=====>...] - ETA: 0s - loss: 0.2019
1149/1149 [=====] - 0s 73us/step - loss: 0.8987
Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 0.3913
720/1149 [=====>...] - ETA: 0s - loss: 0.5244
690/1149 [=====>...] - ETA: 0s - loss: 1.1088
1149/1149 [=====] - 0s 73us/step - loss: 0.5470
Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.6288
1148/1148 [=====] - 0s 80us/step - loss: 0.3078

1149/1149 [=====] - 0s 79us/step - loss: 0.1975
Epoch 3/20

30/1148 [...] - ETA: 0s - loss: 0.1577
690/1148 [=====>...] - ETA: 0s - loss: 0.0981
1149/1149 [=====] - 0s 80us/step - loss: 0.5157
Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.3399
780/1149 [=====>...] - ETA: 0s - loss: 0.8825
1080/1149 [=====>...] - ETA: 0s - loss: 1.0967Epoch 1/20

30/1149 [...] - ETA: 10s - loss: 1.2072
720/1149 [=====>...] - ETA: 0s - loss: 0.4102
1149/1149 [=====] - 1s 480us/step - loss: 1.0949

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Epoch 2/15

30/1149 [...] - ETA: 0s - loss: 1.1856  
1148/1148 [=====] - 0s 83us/step - loss: 0.1015  
Epoch 10/15

30/1148 [...] - ETA: 0s - loss: 0.0573  
1149/1149 [=====] - 0s 70us/step - loss: 0.7982  
Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.8684  
690/1148 [=====>...] - ETA: 0s - loss: 0.2463  
1149/1149 [=====] - 0s 71us/step - loss: 0.3710  
Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.4456  
750/1149 [=====>...] - ETA: 0s - loss: 0.3925  
330/1149 [=====>...] - ETA: 0s - loss: 1.0881  
720/1149 [=====>...] - ETA: 0s - loss: 1.0959  
1148/1148 [=====] - 0s 82us/step - loss: 0.2367  
Epoch 4/20

30/1148 [...] - ETA: 0s - loss: 0.1786  
1149/1149 [=====] - 0s 77us/step - loss: 0.3765

870/1149 [=====>...] - ETA: 0s - loss: 0.7060Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.3098  
600/1148 [=====>...] - ETA: 0s - loss: 0.1015  
690/1149 [=====>...] - ETA: 0s - loss: 0.2614  
1149/1149 [=====] - 0s 60us/step - loss: 0.7079  
Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 1.0615  
1149/1149 [=====] - 0s 73us/step - loss: 1.0645  
Epoch 3/15

30/1149 [...] - ETA: 0s - loss: 0.4072  
570/1149 [=====>...] - ETA: 0s - loss: 1.2865  
1148/1148 [=====] - 0s 87us/step - loss: 0.0962

540/1148 [=====>...] - ETA: 0s - loss: 0.1859Epoch 11/15

30/1148 [...] - ETA: 0s - loss: 0.1399  
1149/1149 [=====] - 0s 77us/step - loss: 0.2418  
Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.1182

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750/1149 [=====>...] - ETA: 0s - loss: 0.3090
780/1149 [=====>...] - ETA: 0s - loss: 0.6464
840/1149 [=====>...] - ETA: 0s - loss: 1.0215
870/1149 [=====>...] - ETA: 0s - loss: 1.2113
1149/1149 [=====] - 0s 74us/step - loss: 0.2782
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.1697
1148/1148 [=====] - 0s 88us/step - loss: 0.1810

1149/1149 [=====] - 0s 69us/step - loss: 0.6218
Epoch 5/20

30/1148 [...] - ETA: 0s - loss: 0.1751Epoch 9/15

30/1149 [...] - ETA: 0s - loss: 0.1535
780/1148 [=====>...] - ETA: 0s - loss: 0.0919
1149/1149 [=====] - 0s 68us/step - loss: 1.0131

750/1149 [=====>...] - ETA: 0s - loss: 0.1693Epoch 4/15

30/1149 [...] - ETA: 0s - loss: 2.0306
1148/1148 [=====] - 0s 70us/step - loss: 0.0927
Epoch 12/15

30/1148 [...] - ETA: 0s - loss: 0.0713
1149/1149 [=====] - 0s 73us/step - loss: 0.1726
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.1720
780/1149 [=====>...] - ETA: 0s - loss: 0.2233
1149/1149 [=====] - 1s 436us/step - loss: 1.1888
Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 0.7173
660/1148 [=====>...] - ETA: 0s - loss: 0.1589
810/1149 [=====>...] - ETA: 0s - loss: 0.5276
690/1149 [=====>...] - ETA: 0s - loss: 0.9997
1149/1149 [=====] - 0s 75us/step - loss: 0.2236
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.1933
1149/1149 [=====] - 0s 71us/step - loss: 0.5352
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.2781
810/1148 [=====>...] - ETA: 0s - loss: 0.0894
780/1149 [=====>...] - ETA: 0s - loss: 0.1448

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1148/1148 [=====] - 0s 82us/step - loss: 0.1536  
Epoch 6/20

30/1148 [...] - ETA: 0s - loss: 0.1493  
300/1149 [=====>...] - ETA: 0s - loss: 1.0977  
1149/1149 [=====] - 0s 81us/step - loss: 0.9414  
Epoch 5/15

30/1149 [...] - ETA: 0s - loss: 2.0087  
1148/1148 [=====] - 0s 65us/step - loss: 0.0900  
Epoch 13/15

30/1148 [...] - ETA: 0s - loss: 0.1373  
1149/1149 [=====] - 0s 77us/step - loss: 0.1509  
  
720/1149 [=====>...] - ETA: 0s - loss: 0.1908Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.1785  
750/1149 [=====>...] - ETA: 0s - loss: 0.4804  
720/1148 [=====>...] - ETA: 0s - loss: 0.1330  
570/1149 [=====>...] - ETA: 0s - loss: 1.1496  
630/1149 [=====>...] - ETA: 0s - loss: 0.9057  
1149/1149 [=====] - 0s 73us/step - loss: 0.1891  
  
840/1148 [=====>...] - ETA: 0s - loss: 0.0788Epoch 12/15

30/1149 [...] - ETA: 0s - loss: 0.1799  
1149/1149 [=====] - 0s 72us/step - loss: 0.4510  
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.4111  
1148/1148 [=====] - 0s 71us/step - loss: 0.1369  
Epoch 7/20

30/1148 [...] - ETA: 0s - loss: 0.1594  
720/1149 [=====>...] - ETA: 0s - loss: 0.1324  
1148/1148 [=====] - 0s 65us/step - loss: 0.0879  
Epoch 14/15

30/1148 [...] - ETA: 0s - loss: 0.1064  
1149/1149 [=====] - 0s 78us/step - loss: 0.8459  
Epoch 6/15

30/1149 [...] - ETA: 0s - loss: 1.3182  
1050/1149 [=====>...] - ETA: 0s - loss: 1.1673  
630/1149 [=====>...] - ETA: 0s - loss: 0.1579  
1149/1149 [=====] - 0s 75us/step - loss: 0.1424  
Epoch 12/15

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30/1149 [...] - ETA: 0s - loss: 0.1813
1149/1149 [=====] - 0s 155us/step - loss: 1.1745

630/1149 [=====>...] - ETA: 0s - loss: 0.4276Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.0730
690/1148 [=====>...] - ETA: 0s - loss: 0.1276
750/1148 [=====>...] - ETA: 0s - loss: 0.0883
840/1149 [=====>...] - ETA: 0s - loss: 0.7770
1149/1149 [=====] - 0s 80us/step - loss: 0.1667
Epoch 13/15

30/1149 [...] - ETA: 0s - loss: 0.1688
1149/1149 [=====] - 0s 83us/step - loss: 0.3735
Epoch 12/15

30/1149 [...] - ETA: 0s - loss: 0.2534
750/1149 [=====>...] - ETA: 0s - loss: 0.1276
1148/1148 [=====] - 0s 76us/step - loss: 0.0861
Epoch 15/15

30/1148 [...] - ETA: 0s - loss: 0.0806
360/1149 [=====>...] - ETA: 0s - loss: 1.0935
1110/1148 [=====>.] - ETA: 0s - loss: 0.1249
1148/1148 [=====] - 0s 92us/step - loss: 0.1238
Epoch 8/20

30/1148 [...] - ETA: 0s - loss: 0.1229
1149/1149 [=====] - 0s 82us/step - loss: 0.7328
Epoch 7/15

30/1149 [...] - ETA: 0s - loss: 0.6560
1149/1149 [=====] - 0s 74us/step - loss: 0.1372
Epoch 13/15

30/1149 [...] - ETA: 0s - loss: 0.1844
810/1149 [=====>...] - ETA: 0s - loss: 0.1631
750/1149 [=====>...] - ETA: 0s - loss: 0.2905
810/1148 [=====>...] - ETA: 0s - loss: 0.0782
1149/1149 [=====] - 0s 68us/step - loss: 0.1531
Epoch 14/15

30/1149 [...] - ETA: 0s - loss: 0.0904
930/1149 [=====>...] - ETA: 0s - loss: 1.1190
600/1149 [=====>...] - ETA: 0s - loss: 0.6015
510/1148 [=====>...] - ETA: 0s - loss: 0.1334
1149/1149 [=====] - 0s 73us/step - loss: 0.3043

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Epoch 13/15

30/1149 [...] - ETA: 0s - loss: 0.2569  
1148/1148 [=====] - 0s 67us/step - loss: 0.0849  
  
1149/1149 [=====] - 0s 112us/step - loss: 1.1351  
Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 1.3907  
720/1149 [=====>...] - ETA: 0s - loss: 0.1352Epoch 1/20

30/1149 [...] - ETA: 11s - loss: 0.3891  
750/1149 [=====>...] - ETA: 0s - loss: 0.1416  
1149/1149 [=====] - 0s 86us/step - loss: 0.6037  
Epoch 8/15

30/1149 [...] - ETA: 0s - loss: 0.6222  
1149/1149 [=====] - 0s 78us/step - loss: 0.1339  
  
1110/1148 [=====>.] - ETA: 0s - loss: 0.1145Epoch 14/15

30/1149 [...] - ETA: 0s - loss: 0.1350  
1148/1148 [=====] - 0s 99us/step - loss: 0.1140  
  
720/1149 [=====>...] - ETA: 0s - loss: 0.2483Epoch 9/20

30/1148 [...] - ETA: 0s - loss: 0.1206  
870/1149 [=====>...] - ETA: 0s - loss: 1.0899  
1149/1149 [=====] - 0s 71us/step - loss: 0.1464  
Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.1858  
1149/1149 [=====] - 0s 61us/step - loss: 1.0680  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 1.5573  
1149/1149 [=====] - 0s 76us/step - loss: 0.2466  
  
330/1149 [=====>...] - ETA: 0s - loss: 1.0022 Epoch 14/15

30/1149 [...] - ETA: 0s - loss: 0.1303  
720/1149 [=====>...] - ETA: 0s - loss: 0.5611  
690/1149 [=====>...] - ETA: 0s - loss: 0.1426  
660/1148 [=====>...] - ETA: 0s - loss: 0.1080  
690/1149 [=====>...] - ETA: 0s - loss: 0.1443  
1149/1149 [=====] - 0s 71us/step - loss: 0.4788  
Epoch 9/15

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30/1149 [...] - ETA: 0s - loss: 0.6685
840/1149 [=====>...] - ETA: 0s - loss: 1.0498
1149/1149 [=====] - 0s 84us/step - loss: 0.1313

660/1149 [=====>...] - ETA: 0s - loss: 0.2007Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.0669
540/1149 [=====>...] - ETA: 0s - loss: 1.2411
1148/1148 [=====] - 0s 83us/step - loss: 0.1061

1149/1149 [=====] - 0s 64us/step - loss: 0.9745
Epoch 10/20

30/1148 [...] - ETA: 0s - loss: 0.1315Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 2.8992
1149/1149 [=====] - 0s 81us/step - loss: 0.1422

660/1149 [=====>...] - ETA: 0s - loss: 0.3752
1149/1149 [=====] - 0s 85us/step - loss: 0.1970
Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.1733
750/1149 [=====>...] - ETA: 0s - loss: 0.1313
960/1149 [=====>...] - ETA: 0s - loss: 1.1204
750/1148 [=====>...] - ETA: 0s - loss: 0.1048
690/1149 [=====>...] - ETA: 0s - loss: 0.8725
1149/1149 [=====] - 0s 81us/step - loss: 0.3692
Epoch 10/15

30/1149 [...] - ETA: 0s - loss: 0.2105
1149/1149 [=====] - 0s 67us/step - loss: 0.1299

1148/1148 [=====] - 0s 66us/step - loss: 0.1005
Epoch 11/20

30/1148 [...] - ETA: 0s - loss: 0.1655
750/1149 [=====>...] - ETA: 0s - loss: 0.1715
1149/1149 [=====] - 0s 82us/step - loss: 0.8576
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 1.0103
1140/1149 [=====>.] - ETA: 0s - loss: 1.1780
1149/1149 [=====] - 1s 476us/step - loss: 1.1754

1149/1149 [=====] - 0s 72us/step - loss: 0.1636

600/1149 [=====>...] - ETA: 0s - loss: 0.2948Epoch 2/20

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30/1149 [...] - ETA: 0s - loss: 1.0575
840/1148 [=====>...] - ETA: 0s - loss: 0.1014
450/1149 [=====>...] - ETA: 0s - loss: 0.8039
1148/1148 [=====] - 0s 82us/step - loss: 0.0968

1020/1149 [=====>...] - ETA: 0s - loss: 0.2773Epoch 12/20

30/1148 [...] - ETA: 0s - loss: 0.1482
450/1149 [=====>...] - ETA: 0s - loss: 1.1084
1149/1149 [=====] - 0s 101us/step - loss: 0.2802
Epoch 11/15

30/1149 [...] - ETA: 0s - loss: 0.3610
1020/1149 [=====>...] - ETA: 0s - loss: 0.7501
1149/1149 [=====] - 0s 102us/step - loss: 0.7264
Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.6840
720/1148 [=====>...] - ETA: 0s - loss: 0.1019
1050/1149 [=====>...] - ETA: 0s - loss: 1.1012
750/1149 [=====>...] - ETA: 0s - loss: 0.2444
1149/1149 [=====] - 0s 103us/step - loss: 1.1487
Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 0.8425
1148/1148 [=====] - 0s 75us/step - loss: 0.0943
Epoch 13/20

30/1148 [...] - ETA: 0s - loss: 0.0520
1149/1149 [=====] - 0s 71us/step - loss: 0.2200

840/1149 [=====>...] - ETA: 0s - loss: 0.6607Epoch 12/15

30/1149 [...] - ETA: 0s - loss: 0.0578
1149/1149 [=====] - 0s 63us/step - loss: 0.5992
Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.3844
720/1149 [=====>...] - ETA: 0s - loss: 1.1098
780/1148 [=====>...] - ETA: 0s - loss: 0.0894
750/1149 [=====>...] - ETA: 0s - loss: 0.1842
1149/1149 [=====] - 0s 81us/step - loss: 1.0960
Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 1.0239
870/1149 [=====>...] - ETA: 0s - loss: 0.5288
1148/1148 [=====] - 0s 72us/step - loss: 0.0919

```

Epoch 14/20

30/1148 [...] - ETA: 0s - loss: 0.0503  
1149/1149 [=====] - 0s 66us/step - loss: 0.1815  
Epoch 13/15

30/1149 [...] - ETA: 0s - loss: 0.2979  
1149/1149 [=====] - 0s 63us/step - loss: 0.4865  
Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.1991Epoch 1/20

30/1149 [...] - ETA: 10s - loss: 0.6645  
960/1149 [=====>...] - ETA: 0s - loss: 1.0534  
840/1148 [=====>...] - ETA: 0s - loss: 0.0909  
810/1149 [=====>...] - ETA: 0s - loss: 0.1752  
1149/1149 [=====] - 0s 60us/step - loss: 1.0100  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.7039  
1148/1148 [=====] - 0s 61us/step - loss: 0.0899  
Epoch 15/20

30/1148 [...] - ETA: 0s - loss: 0.0962  
960/1149 [=====>...] - ETA: 0s - loss: 0.3825  
1149/1149 [=====] - 0s 56us/step - loss: 0.3833  
1149/1149 [=====] - 0s 72us/step - loss: 0.1603  
Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.2288Epoch 14/15

30/1149 [...] - ETA: 0s - loss: 0.1821  
900/1149 [=====>...] - ETA: 0s - loss: 1.1249  
1149/1149 [=====] - 0s 313us/step - loss: 1.1277  
Epoch 2/20

30/1149 [...] - ETA: 0s - loss: 0.9113  
810/1149 [=====>...] - ETA: 0s - loss: 0.8748  
1050/1148 [=====>...] - ETA: 0s - loss: 0.0852  
1148/1148 [=====] - 0s 51us/step - loss: 0.0883  
Epoch 16/20

30/1148 [...] - ETA: 0s - loss: 0.0799  
1149/1149 [=====] - 0s 66us/step - loss: 0.8856  
1020/1149 [=====>...] - ETA: 0s - loss: 0.3012  
570/1149 [=====>...] - ETA: 0s - loss: 0.1381Epoch 6/20



```

30/1149 [...] - ETA: 0s - loss: 1.2322
1149/1149 [=====] - 0s 54us/step - loss: 0.2982
Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.1248
870/1149 [=====>...] - ETA: 0s - loss: 1.0994
1149/1149 [=====] - 0s 81us/step - loss: 0.1501

990/1148 [=====>...] - ETA: 0s - loss: 0.0896Epoch 15/15

30/1149 [...] - ETA: 0s - loss: 0.1140
1149/1149 [=====] - 0s 65us/step - loss: 1.0878
Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 1.2319Epoch 1/20

30/1149 [...] - ETA: 9s - loss: 1.6393
1148/1148 [=====] - 0s 52us/step - loss: 0.0871
Epoch 17/20

30/1148 [...] - ETA: 0s - loss: 0.0634
840/1149 [=====>...] - ETA: 0s - loss: 0.7492
900/1149 [=====>...] - ETA: 0s - loss: 0.2297
1149/1149 [=====] - 0s 63us/step - loss: 0.7340
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.4975
1149/1149 [=====] - 0s 62us/step - loss: 0.2276
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1435
750/1149 [=====>...] - ETA: 0s - loss: 0.1462
750/1149 [=====>...] - ETA: 0s - loss: 1.1065
750/1149 [=====>...] - ETA: 0s - loss: 1.0053
870/1148 [=====>...] - ETA: 0s - loss: 0.0848
1148/1148 [=====] - 0s 60us/step - loss: 0.0863

1149/1149 [=====] - 0s 69us/step - loss: 0.1444
Epoch 18/20

30/1148 [...] - ETA: 0s - loss: 0.0766
870/1149 [=====>...] - ETA: 0s - loss: 0.5637
1149/1149 [=====] - 0s 299us/step - loss: 1.0942

1149/1149 [=====] - 0s 75us/step - loss: 1.0112

720/1149 [=====>...] - ETA: 0s - loss: 0.1899Epoch 2/20

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30/1149 [...] - ETA: 0s - loss: 1.7679Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 1.0784  
1149/1149 [=====] - 0s 62us/step - loss: 0.5674  
Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.3896  
1149/1149 [=====] - 0s 72us/step - loss: 0.1845  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.1160  
900/1148 [=====>...] - ETA: 0s - loss: 0.0842  
870/1149 [=====>...] - ETA: 0s - loss: 1.0789  
780/1149 [=====>...] - ETA: 0s - loss: 0.9269  
1148/1148 [=====] - 0s 60us/step - loss: 0.0854  
Epoch 19/20

30/1148 [...] - ETA: 0s - loss: 0.1174  
1149/1149 [=====] - 0s 57us/step - loss: 1.0635

870/1149 [=====>...] - ETA: 0s - loss: 0.4214Epoch 3/20

30/1149 [...] - ETA: 0s - loss: 0.8156  
1149/1149 [=====] - 0s 65us/step - loss: 0.9038  
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.7117  
1149/1149 [=====] - 0s 61us/step - loss: 0.4043  
Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.3583  
990/1149 [=====>...] - ETA: 0s - loss: 0.1538  
1149/1149 [=====] - 0s 54us/step - loss: 0.1577  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.2265  
960/1148 [=====>...] - ETA: 0s - loss: 0.0885  
1020/1149 [=====>...] - ETA: 0s - loss: 1.0166  
1148/1148 [=====] - 0s 56us/step - loss: 0.0850  
Epoch 20/20

30/1148 [...] - ETA: 0s - loss: 0.0826  
1149/1149 [=====] - 0s 51us/step - loss: 1.0099  
Epoch 4/20

30/1149 [...] - ETA: 0s - loss: 0.8633  
1080/1149 [=====>..] - ETA: 0s - loss: 0.7484

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1149/1149 [=====] - 0s 50us/step - loss: 0.7639

930/1149 [=====>...] - ETA: 0s - loss: 0.2939Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 0.3036
1149/1149 [=====] - 0s 55us/step - loss: 0.2784

1020/1149 [=====>...] - ETA: 0s - loss: 0.1457Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.1994
1149/1149 [=====] - 0s 53us/step - loss: 0.1428
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.0955
960/1148 [=====>...] - ETA: 0s - loss: 0.0852
900/1149 [=====>...] - ETA: 0s - loss: 0.9406
1148/1148 [=====] - 0s 55us/step - loss: 0.0842

960/1149 [=====>...] - ETA: 0s - loss: 0.6402
1149/1149 [=====] - 0s 58us/step - loss: 0.9327
Epoch 5/20

30/1149 [...] - ETA: 0s - loss: 0.4861
900/1149 [=====>...] - ETA: 0s - loss: 0.2179
1149/1149 [=====] - 0s 56us/step - loss: 0.6170
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.7244
930/1149 [=====>...] - ETA: 0s - loss: 0.1278
1149/1149 [=====] - 0s 57us/step - loss: 0.2055
Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.1232
1149/1149 [=====] - 0s 55us/step - loss: 0.1346
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.1566
1149/1149 [=====] - 0s 45us/step - loss: 0.8443
Epoch 6/20

30/1149 [...] - ETA: 0s - loss: 1.0327
1140/1149 [=====>.] - ETA: 0s - loss: 0.4751
1149/1149 [=====] - 0s 47us/step - loss: 0.4727
Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.5029
1140/1149 [=====>.] - ETA: 0s - loss: 0.1758
1149/1149 [=====] - 0s 47us/step - loss: 0.1753

```

Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.2131  
1140/1149 [=====>.] - ETA: 0s - loss: 0.1293  
1149/1149 [=====] - 0s 47us/step - loss: 0.1296  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.0856  
1149/1149 [=====] - 0s 42us/step - loss: 0.7560  
Epoch 7/20

30/1149 [...] - ETA: 0s - loss: 0.5355  
1149/1149 [=====] - 0s 42us/step - loss: 0.3700  
Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.3866  
1149/1149 [=====] - 0s 43us/step - loss: 0.1608  
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1127  
1149/1149 [=====] - 0s 41us/step - loss: 0.1261  
Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.1120  
1149/1149 [=====] - 0s 45us/step - loss: 0.6763  
Epoch 8/20

30/1149 [...] - ETA: 0s - loss: 0.4383  
1149/1149 [=====] - 0s 44us/step - loss: 0.3034  
Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.2533  
1149/1149 [=====] - 0s 44us/step - loss: 0.1512  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.0953  
1149/1149 [=====] - 0s 42us/step - loss: 0.1241  
Epoch 20/20

30/1149 [...] - ETA: 0s - loss: 0.0968  
1149/1149 [=====] - 0s 44us/step - loss: 0.6058  
Epoch 9/20

30/1149 [...] - ETA: 0s - loss: 0.9665  
1149/1149 [=====] - 0s 45us/step - loss: 0.2620  
Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.2221

1149/1149 [=====] - 0s 45us/step - loss: 0.1453  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.1024  
1149/1149 [=====] - 0s 44us/step - loss: 0.1219

1149/1149 [=====] - 0s 42us/step - loss: 0.5392  
Epoch 10/20

30/1149 [...] - ETA: 0s - loss: 0.2481  
1149/1149 [=====] - 0s 42us/step - loss: 0.2364  
Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.2328  
1149/1149 [=====] - 0s 40us/step - loss: 0.1415  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.1370  
1149/1149 [=====] - 0s 41us/step - loss: 0.4725  
Epoch 11/20

30/1149 [...] - ETA: 0s - loss: 0.5199  
1149/1149 [=====] - 0s 43us/step - loss: 0.2189  
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1268  
1149/1149 [=====] - 0s 44us/step - loss: 0.1378  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.1348  
1149/1149 [=====] - 0s 41us/step - loss: 0.4052  
Epoch 12/20

30/1149 [...] - ETA: 0s - loss: 0.1029  
1149/1149 [=====] - 0s 39us/step - loss: 0.2055  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.2148  
1149/1149 [=====] - 0s 37us/step - loss: 0.1354  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.1359  
1149/1149 [=====] - 0s 36us/step - loss: 0.3489  
Epoch 13/20

30/1149 [...] - ETA: 0s - loss: 0.1581  
1149/1149 [=====] - 0s 36us/step - loss: 0.1939  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.1605  
1149/1149 [=====] - 0s 36us/step - loss: 0.1331  
Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.0807  
1149/1149 [=====] - 0s 39us/step - loss: 0.2944  
Epoch 14/20

30/1149 [...] - ETA: 0s - loss: 0.2925  
1149/1149 [=====] - 0s 39us/step - loss: 0.1843  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.1445  
1149/1149 [=====] - 0s 38us/step - loss: 0.1309  
Epoch 20/20

30/1149 [...] - ETA: 0s - loss: 0.0737  
1149/1149 [=====] - 0s 38us/step - loss: 0.2538  
Epoch 15/20

30/1149 [...] - ETA: 0s - loss: 0.3187  
1149/1149 [=====] - 0s 39us/step - loss: 0.1762  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.2161  
1149/1149 [=====] - 0s 41us/step - loss: 0.1300  
  
1149/1149 [=====] - 0s 38us/step - loss: 0.2176  
Epoch 16/20

30/1149 [...] - ETA: 0s - loss: 0.1238  
1149/1149 [=====] - 0s 37us/step - loss: 0.1680  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.1468  
1149/1149 [=====] - 0s 33us/step - loss: 0.1897  
Epoch 17/20

30/1149 [...] - ETA: 0s - loss: 0.0926  
1149/1149 [=====] - 0s 34us/step - loss: 0.1607  
Epoch 19/20

30/1149 [...] - ETA: 0s - loss: 0.5838  
1149/1149 [=====] - 0s 32us/step - loss: 0.1728  
Epoch 18/20

30/1149 [...] - ETA: 0s - loss: 0.0899

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1149/1149 [=====] - 0s 33us/step - loss: 0.1547
Epoch 20/20

 30/1149 [...] - ETA: 0s - loss: 0.1308
1149/1149 [=====] - 0s 34us/step - loss: 0.1600
Epoch 19/20

 30/1149 [...] - ETA: 0s - loss: 0.1874
1149/1149 [=====] - 0s 35us/step - loss: 0.1493

1149/1149 [=====] - 0s 31us/step - loss: 0.1514
Epoch 20/20

 30/1149 [...] - ETA: 0s - loss: 0.0768
1149/1149 [=====] - 0s 30us/step - loss: 0.1455
Epoch 1/20
1436/1436 [=====] - 0s 314us/step - loss: 0.9920
Epoch 2/20
1436/1436 [=====] - 0s 58us/step - loss: 0.8915
Epoch 3/20
1436/1436 [=====] - 0s 65us/step - loss: 0.6979
Epoch 4/20
1436/1436 [=====] - 0s 59us/step - loss: 0.5105
Epoch 5/20
1436/1436 [=====] - 0s 57us/step - loss: 0.3454
Epoch 6/20
1436/1436 [=====] - 0s 57us/step - loss: 0.2314
Epoch 7/20
1436/1436 [=====] - 0s 57us/step - loss: 0.1668
Epoch 8/20
1436/1436 [=====] - 0s 57us/step - loss: 0.1391
Epoch 9/20
1436/1436 [=====] - 0s 55us/step - loss: 0.1285
Epoch 10/20
1436/1436 [=====] - 0s 53us/step - loss: 0.1231
Epoch 11/20
1436/1436 [=====] - 0s 53us/step - loss: 0.1207
Epoch 12/20
1436/1436 [=====] - 0s 54us/step - loss: 0.1186
Epoch 13/20
1436/1436 [=====] - 0s 52us/step - loss: 0.1175
Epoch 14/20
1436/1436 [=====] - 0s 53us/step - loss: 0.1161
Epoch 15/20
1436/1436 [=====] - 0s 53us/step - loss: 0.1149
Epoch 16/20
1436/1436 [=====] - 0s 52us/step - loss: 0.1138
Epoch 17/20

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```

1436/1436 [=====] - 0s 54us/step - loss: 0.1125
Epoch 18/20
1436/1436 [=====] - 0s 52us/step - loss: 0.1117
Epoch 19/20
1436/1436 [=====] - 0s 52us/step - loss: 0.1111
Epoch 20/20
1436/1436 [=====] - 0s 54us/step - loss: 0.1104
##### Total Time Taken: 2 Minutes

```

```

[ ]: print(" Results from Grid Search ")
print("\n The best estimator:\n",grid_search.best_estimator_)
print("\n The best score:\n",grid_search.best_score_)
print("\n The best parameters:\n",grid_search.best_params_)

```

Results from Grid Search

The best estimator:

<keras.wrappers.scikit\_learn.KerasRegressor object at 0x7f8bc90d0490>

The best score:

-0.3997549995191831

The best parameters:

{'Optimizer\_trial': 'adam', 'batch\_size': 20, 'epochs': 20}

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

Using TensorFlow backend.

According to Grid Search results, the best parameters are adam as optimizer, batch size and epoch as 20.

## 2 Conclusion & Reflection

The model performs alright for the use case but obviously it needs to train on more data to get even better results. I learned more than I thought i knew during this assignment. This model is not ready for real world use cased and it needs more work, I would say. Furthermore, I learned more about neural networks with all the different ways to do analysis and evaluation. I can say with confidence that there's a few methods I learned about during this project that i will apply to my group project!!! Also, It was fun playing around with this project/assignment because it's one of the few times i worked on a regression problem. I'm more in tuned with NLP projects because that's where my heart is but this project was a challenge and it was fun.