Lab: 07

Task 01:

Task 02:

```
C: > Users > Saad > Downloads > 💠 Untitled-1.py > ...
        import pandas as pd, scipy,numpy as np
        from sklearn.preprocessing import MinMaxScaler
       ds=pd.read_csv("C:/Users/Saad/Downloads/iris.csv")
       x=ds.iloc[:,0:1].values
       y=ds.iloc[:,4].values
       from sklearn.impute import SimpleImputer
       imp=SimpleImputer(missing_values=np.nan,strategy="mean")
       X=imp.fit_transform(x)
      Y=y.reshape(-1,1)
 10 Y=imp.transform(Y)
 11 Y=Y.reshape(-1)
       print(Y)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER: VARIABLES
PS C:\Users\Saad\AppData/Local/Programs/Python/Python39/python.exe c:/Users/Saad/Downloads/Untitled-1.py [0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 0.2 0.2 0.1 0.1 0.2 0.4 0.4 0.3 0.3
 0.3 0.2 0.4 0.2 0.5 0.2 0.2 0.4 0.2 0.2 0.2 0.2 0.4 0.1 0.2 0.1 0.2 0.2
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 2.3 1.9 2. 2.3 1.8]
PS C:\Users\Saad>
```

Task 03:

```
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import train_test_split
from sklearn.datasets import load_iris
import matplotlib.pyplot as plt
import matplotlib.pyplot as plt
irisData = load_iris()

# Compute training and test data accuracy
train_accuracy[i] = knn.score(X_train, y_train)

## Compute training and test data accuracy
train_accuracy[i] = knn.score(X_test, y_test)

## Compute training and test data accuracy
train_accuracy[i] = knn.score(X_test, y_test)

## Generate plot
feenate plot
from sklearn.model_selection import train_test_split
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