```
from keras.datasets import mnist
data = mnist.load_data()
((x_train,y_train),(x_test,y_test))=data
x_train=x_train.reshape((x_train.shape[0], 28*28)).astype('float32')
x_test=x_test.reshape((x_test.shape[0],28*28)).astype('float32')
x_{train} = x_{train}/255
x_test = x_test/255
from keras.utils import np_utils
print(y_test.shape)
y_train = np_utils.to_categorical(y_train)
y_test = np_utils.to_categorical(y_test)
num_classes = y_test.shape[1]
print (y_test.shape)
      (10000,)
      (10000, 10)
from keras.models import Sequential
from keras.layers import Dense
model = Sequential()
model.add(Dense(32, input_dim = 28*28, activation='relu'))
model.add(Dense(64, activation='relu'))
model.add(Dense(10, activation='softmax'))
model.compile(loss='categorical_crossentropy',optimizer='adam',metrics=['accuracy'])
model.summary()
Model: "sequential"
```

Model: "sequential\_7"

Layer (type)	Output Shape	Param #
dense_3 (Dense)	(None, 32)	25120
dense_4 (Dense)	(None, 64)	2112
dense_5 (Dense)	(None, 10)	650

Total params: 27,882 Trainable params: 27,882 Non-trainable params: 0

"https://www.instagram.com/shape.ai/?hl=en">Instagram</a>

"https://www.youtube.com/channel/UCTUvDLTW9meuDXWcbmISPdA">YouTu

<a href=

Epoch 1/10

```
Epoch 2/10
   600/600 [============== ] - 1s 2ms/step - loss: 0.0521 - accurac
   Epoch 3/10
   600/600 [============= ] - 1s 2ms/step - loss: 0.0488 - accurac
   Epoch 4/10
   Epoch 5/10
   Epoch 6/10
   Epoch 7/10
   Epoch 8/10
   600/600 [============== ] - 1s 2ms/step - loss: 0.0331 - accurac
   Epoch 9/10
   Epoch 10/10
   <tensorflow.python.keras.callbacks.History at 0x7f11d20a0750>
scores = model.evaluate(x_test,y_test)
print(scores)
   [0.1186273917555809, 0.97079998254776]
Double-click (or enter) to edit
# SHAPEAI PYTHON AND DEEP LEARNING BOOTCAMP
Hi I made this project during the 7 Days Free Bootcamp, conducted by <b > SHAPEAI
</b>.
The instructor during the session was Mr. Shaurya Sinha (Data Analyst Intern at Jio). I go
learn a lot during these 7 days and it was an amazing experience learning with SHAPEAI.
<br>Here's the link for you to watch the sessions as well<br>
<a href="https://www.youtube.com/playlist?list=PL7z18TDRnbune5TnrfBgFbxT87E98cfo9"> <img s</pre>
<br>I got to have hands on experience on:
Python
Tensorflow
Deep Learning
<br>during these 7 days, and everything was explained from the very basics so that
anyone with zero experience on programming can learn.
I enjoyed these 7 days, you can as well. To register for next free 7 days bootcamp, visit:
www.shapeai.tech
or follow SHAPEAI on:
<a href=
"https://in.linkedin.com/company/shapeai">LinkedIn</a>
<a href=
```

```
be</a>
<a href=
"https://github.com/shapeai">GitHub</a>

File "<ipython-input-3-c8c0d02b9b00>", line 3

Hi I made this project during the 7 Days Free Bootcamp, conducted by <b>
SHAPEAI

A

SyntaxError: invalid syntax

SEARCH STACK OVERFLOW
```