```
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(num_classes)

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.comile(loss='categorical_crossentropy',optimizer='admon',metrics=['accuracy'])


model.summary()


model.fit(x_train,y_train,epochs=10,batch_size=100)

score=model.evaluate(X_test,y_test)
Print(score)
```