```
In [ ]:
from sklearn.neural_network import MLPClassifier
In [ ]:
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.metrics import accuracy_score
import numpy as np
import matplotlib.pyplot as plt
In [ ]:
data=pd.read_csv("D:\\Workshops\\W 15 - Data Science Masterclass\\Data\\Bank.CSV")
data.head()
Doing data preprocessing
In [ ]:
data.duplicated().sum()
In [ ]:
data.drop_duplicates(inplace=True)
In [ ]:
data.duplicated().sum()
In [ ]:
data.isnull().sum()
Splitting data into traning & testing
In [ ]:
x=data.iloc[:,:7]
y=data.iloc[:,7]
In [ ]:
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2,random_state=0)
Using Scikit Learn
```

clf = MLPClassifier(alpha=0.01, hidden\_layer\_sizes=(5,3), random\_state=1)

In [ ]:

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In [ ]:
clf.fit(x_train,y_train)

In [ ]:
y_pred=clf.predict(x_test)

In [ ]:
accuracy_score(y_test,y_pred)
```