EX NO: 10 Implementing artificial neural network for an application.

AIM :-

To implementing artificial neural network for an application in classification using python.

SOURCE CODE :

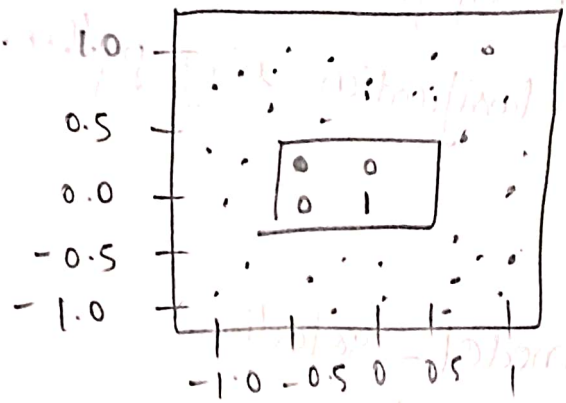
```
Sk learn - model - selection
import train - test , split.
from sklearn dataset import - make - circle
import from sklearn neural - network import
                                MLP classifier.

from numpy as np.
import mat plot lib . pyplot as plt .
import seaborn as ns .
%. mat plot lib inline.
X - train , y - train = male circles(
                        n - sample = 300, noise
SNS . scatterplot (x - train[:0] . = 0.05) .
                    x - train[ : , 1 , hue = y - train)
plt . show ( )
if MCP classifier (mom - iter = 1000)
```

if fit (x_train, y_train)

plt.show():

O/P:



Result

Thus the program is successfully executed and the O/P is verified.