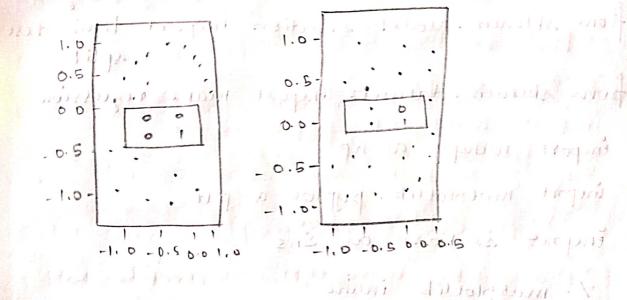
```
Exp. No : 10
             Implementing actifical inewal
Daterighin
           networks for an application
               using python - classification
Code:
Sklean model - selection import train - test-
from skleaen datasets import make - circles
emport from skleaer. newal - network imports
                                     classi fier
from numpy as np
                                     Ly allery
import matplot lib. pyplot, astiplt: 1919
   import scaborn as sps 1) 1, 111 (1
  1. matplotlib in lineagels 1. 1. 111 co
x-train /y-train = make - circles (n-samples
                 100, noise = 0.08)
x- Fest, Y- Eest = make - Circles (n-samples =
                     300, noise = 0.05)
 8ns. Scatteeplot (X-train [:, O], X-train
 [:, 1], true = y-trais)
Plt. Litle ("Train data")
 Plt. show ()
If = MIP levassifier (max -i Fer = 1000)
 1 f. fit (x - train it y - train D) with bond
  y-pred = if. predict (x-trest)
  fig. ax = pit. subplots (1.2)
```

Shs. scatterplot (x-test [:,0],

x'-test [:,1], true = y-pred, ax=ax[0])

plt. show (()

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The program was successfully executed and the ofp & verified.