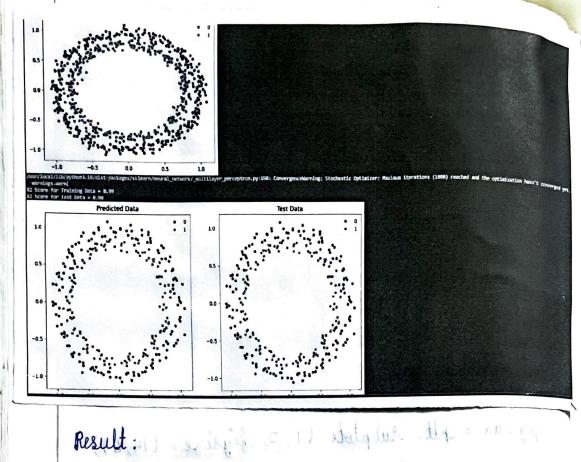
Implementing Artificial News la: No: Networks for an application Date: using python - classification Program code: from sklearn. datasets import make wicles from sklearn. newal-network import MLPI lassifier import nump as np. import matplotlib, pyplot as plt 1/2 matplotlib inline x-train, y-train = make-wicles (n-samples = 700, house = 0.05) x-test, y-test = make - wicles (n - samples = 300, noise = 0.05) sutput is revised. Shs. Scatterplot (x=x-train [:,0], y=x-train [:,-1], hue = y\_train) plt. title (" Train Data") plt. show ()

elf = MLPclassifier (max\_iter = 1000) elf. fit (x-train, y-train) print (f"R2 Score for Testing Data = { if. score (x - train; y - train)}") print (f" R2 Score for test Data = { Ilf. Score (x\_test, y\_test)3") y. pred = elf. predict (x-test) fig-ax = ptt. subplote (1, 2, figsize = (14,6)). Sns. Scatterplot (x = x - test [:, 0], y=x-test [:,+], hue = y-pred, ax = ax [0]) a trater at ax [0]. Set\_title ('Predicted Data"). plt. Show ()

output:



Thus the program is successfully executed & the output is verified.

an 103. Let title ("Predicted Data").

plt. Show ()

supput.