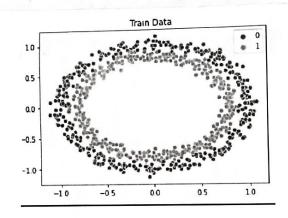
Implementing artifical Ex. No: 6 Neural Networks - Classification using Python Aim: To implementing aftifical neural network dor an application Source code: 11/12 0H3Day 15 H9 Sorm SKlearn. model - Selection import thain-test dem stlearn. dotta sets import make- à cla from Sklearn. neural -network import MLP classif import numpy ash. import matphot lib. pyplot aspt. import leaborn as sno V. matplotlib. inline X-tain - Y-tain = make - aile (n-Sample = 700 noile = 0.05, random. State = 42) x-test, y-test = make - circle (n. sample=30) noile = 0-05, random - State = 42) PIL - d'quine (dig 5"32 = (6,6)) Shs. Scatterplot Cx = x- thein [:, 0], Y=x itrain hue = Y- train, Palette = "viridig" plt. Pitle ("Train Data) PIE. show() CIF = MLP classification (Max-iter=1000, Random = 42) CH . fot (x-tein, x-tain) Print (+ "Rescore for close = Self , Store (x-train - V-tain 23") print (& "R2 Scores for Pest data = folf-Score (x-test_ >-test)3") Y-pred = Elf. predict (x-text) dig_ax= p4. Sulphots (1-2/19 size = (126))

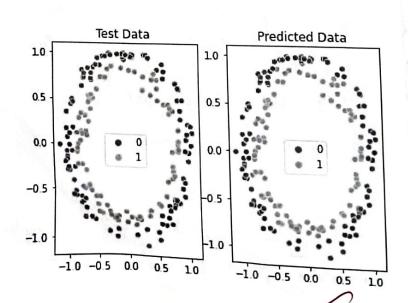
Sny-Scatterplot (x=1x-test [:,0], x= t-test [:,0], x= x-test [:,0], x= x-t

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output!





lesult! The program was successfully executed and the output is now