In Plementing artificial neutral networks for an application using Ex no: 10 Oate: PI Python - Classification To implementing a rtificial neural network AIM! for an application in classification using pythen Program! Sklearn model - Selection import train-test Spis from sklearn. dataset import make-circles import from Sklearn. neural -network import Mc Classifier 17 standay from numpy as appoint stantage import mat-plotlib. Py PLOT as Plt import scaborn as sas t. matplotlib inline x - train, y-train = make _ circle in - Sumple 100, noise = 0.05) 4 - test, y-text = make - Circle (n-Sample) 300, noise = 0.05) sns. Scatler Popot (x-train [:,0] x - train [:, 1] hue = y - train) It. Eitic ("Train Date") 16. Show () f.fit (x-train, yetrain) - Pred = if. Predict (x-test) = i'g, ax = Plt. S (daePlot (1.2) s - Sc after Plot 1x-test [:, 0]

x-tost [, 1], how 2 5- Pred, ax = ax [0]] Dut Put: Predicted Data Test Data 10-000000 -1.0 6.5 0.0 0.051 m -100-0500 0.0510 a contraction (n. Sempler stops Result! The Program was successfully executed and the output is verified. 19/11/2024 17:57