DECISION TREE CLASSIFICATION EX.NO.13 To classify the Sould Network dataset using Decision tree analysis. dource DOODE: from google. colab impordrive drive. mount ("/content/gdrive") Import porndas as pd Import numpy as mp import matplotlib. pyplot as plt

dataset = pd. read-cov (/content/gdnire/My Drire) Social-Network Ads.csv") X=dataset = iloz [:, [2,3]]. valus y=dataset. ilor [:,-1], values from sklear. mode-selection import train-test-split X-train, X-testy y-train, y-test=train-test-split (X, y, test-size (0-25, random. &state =0) from sklearn. model-processing import Storndards St = Stomdard Scales () X-train=sc.fit-train (X-train) 1-test Se. Hamsform (X-test) X1, V2=np. meshgrid (np. arrange (start = X-sett:10]. nun 19 Stop=X-set[:,8].max(1+1, step=0-01); np. areange(stav

X-set[:,1].min()-1, stop=X-set[:,1]. max()+ 1, step=0.01)) plt. Xlim (X1, minl1, X1, maxl)) plt. ylim (X2, min(), X2. max()) plt-show() Thus the program is ducienfully executed & output is verified. Marilla X = 11112) renomo spolito la magazo (VII 1) tope / set [, 6] mex () 11 , 18 p 001), np. com [] .