Implementing attricial. Forno: newfal networks for pati: an application aserg Python - Pagression. Aina: To implementing artificial neural hehoosks for an application in regression using python. Donna wde: from Skleam . newal - nehoosk import MLP legression. from 8 Klean . Model - Selection import brain - test - split from sklearn. data sets import make import numpy as up import matplotlib. Pyplot as plt import Seaborn as Sns -/ mat plotlib in line. X, y= make : legression (n-Samples = 1000, hoise: n-feetwes = 100) X. Shape, y. Shape = ((1000,100), (1000;)) X \_ train, X \_. test, Y\_ train, Y\_test = train\_test\_Sph (X, y, test\_Size = 0.2, Shuffle = True rgudom\_ State = 42) Cf = MLP Regressor (mare: iter=1000) clf. fit (x-train by-train) Print (f" Rz Score for training Data = Eclf. Score frain, y-train)

Print (f"P2 Store for Test Data: & CIF. Store (x-test, y-test )3") DUTPUT R2 Score for Test Data = 0.96865584'66621529. Thus the programme is successfully executed and