PRACTICAL-13 AIM:-Implement your own ping program. ALGORITHM: import socket def udp-client (): suver-ip = 127.0.0.1 verver - port = 12345 chent-socket = socket socket (rocket . Ar. nocket. sock_AGRAM) client - socket, settine out (2). mersage = "Ping" start - lime = lime lime () chient - rocket. send to (mers age. en vod el), (server ip data, addres = dient - socket. rec v from
(1024) end-time = time () print (f" Reply from faldressy: fdata. print lt "Round Trip Time: { (end_time) seconds") istant_time):

except socket timeout print ("Request timed out! Server ded not respond.") chent. socket. close () if -- name -- = " -- main -- ": udp-client (). Reply from (127.0.0.1, 12345): Pong Round Trip Time: 0,002 seconds. Thus the above code is executed successfully

ALGORITHM: import socket. def udp-server (): host = 127.0.01 Port = 12345 ver - tocket = socket socket (socket. AF-INET, vocket. cover-tocket bind SOCKET-DGRAM) print († "UDP server istanted on { hosty. while True: data, client_addr = server - socket. print (for Received of data. diwde (14 from (16) reer from (1024 reply = "Pong"
server - sock et. send to (reply enwooded (), print (f "Sent reply 'freplyg' to Schiutef -- name -- = u -- main -- udp - server ().

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OUTPUT:-NDP Server started on 127.0.0.1:12345 Waiting for chent menages Received Ping from (127.0.0.1, 50234) Sent reply 'Pong' to [127.0.0.1,50234) Thus the above code is executed recuentally. Major mand and any of the state tal pi qi = pi to