Ex-12 TCP / UDP 30/12/24 Implement who client never during TCP/UDP rachets: Chart: import sochit import time dy ping-sever ( host . 127.0.0.1; port . 12345): with sochet, sochet ( sochet. AF\_INET, soulut - SOCIC\_DGRM) ans: s. sund to (6 " Hello", (nort, pout)) except s. timeout: print ("Request timed out") if \_\_ name\_\_ = " main ": ping - sun () sewer: import socket dy start - sure ( host = 1)127.0,0.1; port = 12345); with sochet. sochet (AF/INET, sochet, SOCK, DGAM) s. lained (f host. port )) print ( &" UDP sure running on E host 3, Eport 3) while True: data addr = s. urefrom (1024)

Output : 14thon sum. Py VD1 muer running on 127.0.0.12345 Remived missage from (127.0.0.1; 59 290): Hello python diant. py terrived reply from mon: Hello, client Chat: chat - sew.py : import socket dy reversi(): port = 12345 host : 127.0.0.1 with subst. northit (AF INET, sochet. soch - DGRAM) S. loighed (( must, port)) Shile True : d, add = s. mylon (1024) quint ( \*Chient :, { d -decode (13) a = input ("Enter reply")

printly ( & " Remived Jan & addr 3 : & data desodely

if \_ name \_ = "main":

start - summ ()

if (a -: "end") break Cxit neurit ) reces- Py import sochet import time dif reurz(a): host = "127.0.0.1" put = 12345 with sochet. sochet ( sochet. AF-INET, sochet - SOCK\_ DGAM) as S: S. send to (a.cmode (), (host, port)) 1, addr = s. mufion (1024) point ( { d.duode (1)) while True: a comput ("Enter Menoge") if ( ac: "end ") runz (a) le reurs (a) Output: python chat - sev. py

client ('li')

Entar Reply hello

5. send to (a emoded (1, add)

Cite Keply I are give

python recen.py

Exter Mininge Iti

Exter Mininge Iti

Exter Mininge How are you

I'I am give 'I

Result:

Thus, the python program to implement TCP/UDP sorbits and chat application has been implemented munifully.