PRACTICAL-12 AIM:-(a) Implement who wint server using TCP/UDB dockets ALGORITHM:uniport socket impost dime def ping-server (host = 127.0.0.1, port = 12345) with socket socket (socket AF-INET, sochet SOUK_DIAGRAM) as s: 8. Settimeont (3) Print ("UDP client started...") for i'en range (5): mersage = f Hello fit if Print († Sending mersage: § mersage y 4) s. sindto (neseage en code (), (host, port)) data, veur er = s. recifrom (1024) print († Received reply from f severy:

} data devode () y")

except socket timeout:

print (" Request timed out") tuni. sleep (1)

print (" Client finished rending messages.") pmg-service().

OUTPUT :-UPP client started ... sending message: Hello, Received reply from (127.0.0.1, 12345): Message received: Hello Sending message: Hello 2 Received reply from (127.0.0.1, 12345): Message received: Hulo 2. Sending message: Kello3

Received reply from (1127.0.0.1, 12345): Message received: Acllo3. Sending mersage: Hello 4 Received reply from (127.0.0.1, 12345): Mersage Received reply from [127.00.1,12345]: Mersage received: Heleo 5. Client, finished sending mersages. RESULT: This the above code is executed recuersfully.

PRACTICAL-12 (b) Implement that chent server TOPINAP nockets. ALGORITHM:dy start - server (host = 127.0.0.1 (.pont) with socket socket (socket AF - INE) cocket. COCK-DGRAM) as S. s. bind ((host, port)) print († "ODP Server running on short
print († "ODP Server running on short data, addr = 5. recv from (1024) while True: Drint HRecevied mersage from Saddry:

Saddry:

Saddry:

Saddry:

reply = + " Message received: Sdata.

de rode () y"

C: Sund to (reply. encode 1), goddr) ustart - server()

OUTPUT :-UPP Sewer running on 121.0.0.1:12345 Received nevsage from (127.0.0.1, 56210): Hella 2 Received nevsage from (127.0.0.1, 56210): Hella 2 Received nevsage from (127.0.0.1, 56210): Hella 3 Received nevsage from (127.0.0.1, 56210): Hella 3 Received mensage from (127.0.0.1, 56210): rello 4 Received reveage from (1/127.0.0.1,56210): Nello 5. code is executed seven RESULT:-Thus the above Makaly