Exporment -12 06/11/24 Aim: a) Implement who client Server using TOP/VAP sockets. TCP SERVER inport Sochet def Gp- who, Servery: Sever socket : Jaket-locket (socket-AFINE Socket Socket SPREAM) Server_socket-bino ("127-0.0.1", 65732)) Server-sonther When U print 1" TCP sends listening") While True: com, adds: forum socket accept() purt (p" Convoted by Edd + 44) While True: data + connirect (1024) if not wata: preak Corn. Sendall (dota) Conn. (Lose() name = : mais - "; tuf-ccho_server()



TCPCLIENT

import socret.

def ty-enhancing U.

client_sociat= sociat social locker. Af INCY

SOLKER. SOLK_STREAM) Client-docker. wonneck["127.0.0.1", 65432)

men age = () Enter meage: ") quint - socket. sendallmenaz. encocle(1)

data = clip1 socket. recvuozy) print ("Recieved:") data devode (1)

skint-southet closely

if -- panin = " -- main -- ". ty-echo Mists

UDP SERVER

import socket

oly udp_calon_serery:

server-socket = socket. socket (socket AF INE)

Somer soix Duram] Server_ socketobing ("127.0001", 65432)

print (" UBP Somer listening ...")

while True:

dorta , and dr = gerner rother rectrements

print (+" Ricioned from laddry: 4 days, duds. SEVENEY - SUCKET. SEND to (data gold)

of none - - = "mais _":

edp- (chasevery)

UDP CLIENT inport socket det vap cho wint (): clint socker = socket · socket (socket · Ap 24) SOCKU . JOCK - BGRAM) penage = inpute (talex runage losen) dent Jacket send to Commage - concoler ("127.6.0.4", 6543W) obtai = dient source . recupora (1024) print (" Reciente", data decoder) client_socket.desel) ip -- name--= main-i! volp-esho, cliente) INPUTZ INIPUT 1 Hello: Hellof DUTPUT2 UPP Sever Listening: TCP serverlisting..... Reversed : Hello! Recience Hello!

Calley Aim b) chatchist cesing TEPLUBE TEPSERVER import Socret import threading and handle-client (client-socket, clint-address).

print s'war connection from Eclient address you menage = cleent socket ve(V(1024). ded if musco: mint (f" Ecuint add res). Emmassy proadant mosey (+" delint some 3: Emenager", elect sock ohe: break enupt: dient soyfet. dorely of broadcast-mensage (mensage, sendersales) por duent in dients: if claint 1 = csender socket: clients send (mensage encode()) def: lap-chat sorver (): Server _ Souget = Socket-Socket(socket. AFIM) Source Suck-STREAM) Serier forthet . bing ("127.6.0.1", 65432)) Senier-socket. listens print (TUP chat squeer listening ...!)

While True: dient sallet dient adores foruntally dent oppend (clint-saulet) Breading. 14 read import Socker emport threading def recelule messages (count socket): manage = client - gocker - rocv (104) duri if nessage: print (n+ ninage) prints C"Disconnected from fer wir) dif ty-chat-clenk)
client-socket-socket (Fack-AR-IN) Sockel-sock) deen socket. comels (42). p.o.1", 6911) menage = input ("gry:") if _ name = map u. hp-cheb- lent 1.