bosider a student requesting for document from a processor and Q 1) professor sending the file to student brojasar and student or his different nodes. Write a program to istablish Connection using Tlp protocol

Jep. studentipy Soln.

import socket, Af-INIET, SOCK\_STRIE AM

MARKAGE MENTANA

SHARRY MONTHS

def main():

SISOURCE (AF-INET, SOCK-STREAM) print ("TCP SOCKET: STUDENT")

HEADER (126 = 10

in months ip = manual askar 192.168.6.107'

port = 198 1029

3. woned- ((ip, port)) print ("lient unnexted to server")

request = input l'Enter filename : ")

s. send (bytes ( request-, 'utf-8'))

print (f"Request for contents of file: (request) sent.")

new-mig = True

" Knowers full was = "

while True:

response = 5. recu (SU)

response = response devode ('uff-8')

if new-mag: mig les : int (response [ : MEADIERSINE ])

new-msg = Fabe

Jullings + = response

it len (full mag) - HEADE RS121= == msg-len:

print ( " - " +10)

print (f" Contents of file & request): ")

print ( fulling THEADERSIZE: )

print "- " x10)

print ( "lontert Reviewed ")

J. Nose ()

print ("Connection Terminated.")

break

- MARIAN

TCP-profesor.py

from sochet import socket, AT-INET, SOCK-STREAM

S: Nochet (AF-INET, SOLK-STREAM)

print ("TLP SOLKET: PROFESSOR")

MEADESIZE = 10

Apr men source source was the Ball ip: 192.168.0,107

port : 1029

S. bind (ig.port))

J. Listen (4)

print (f"Server is up, listening at port: sports")

while True:

lient socket, lientadd = s.accepte)

paint (f" Chant with 4 clientadday wancested.")

rquest = clients ochet. reev (1024)

request = request-, decode ('ul-4-8')

print et " Request for file content of : trequest & Reviews

My:

with open (request, "r") as fd:

to unterb = fd.read

print ("Request Processed")

encept -:

waters = "Request not puffilled. No ple

print (" Request cannot be pullitled.

msg = f" I len Contents ): < I HEADER SIZE 14" + wortenb

client socket-send (bytes (msg, 'alt-8'))

print (f" Response sent to \*client addr )")

print ("-" \*10)