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LAB 10: Socket program TCP and UDP
Client . py
                                  from socket import *
     SCI VCY Nome = "127.0.0.1"
      Server Port = 12000
       Chent Socket = Socket (AF_INET, SOCK_STREAM)
       Client Socket . connece ((server Name, server Port))
       sentence = input ( "enter Fix Name ")
       Client Socket, send (Sentence-encode (1)
       filecontents = cheniSocket. secv (1024). decode ()
         print ( 'From Servers', Filecontents)
         client Socket -close ()
ECTVER-PY
       from sacket import *
        5 CY VEE NOME - "127 60.0.1"
        Server Port = 12000
        SCTVCY SOCKEE = SOCKEE (AF-INET, SOCK_STREAM)
        Server Socicet . blind ((server Nome, server Port))
         Berver Socket. listen (1)
         print ("The server is Ready to Recieve")
          cohile 1:
         connection Socket, adds = server Socket. accept ()
          sentence = connection Socket. recv (1024). decoder)
          file = open (sentence, "x")
           1. file read (1024)
          Connection Socket send (1. encode (1)
           Frie Close ()
           con ne Ction Socket - close ()
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Name: Robit Kuduche
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02) UDP
            Socket
     CITENTUDP. PY
     from Socket import *
     Segres Name = "127. 0.0.1"
      ServerPort = 12000
       chient Socket = socket (AF_INET, Sock_ DB, RAM)
      sentence = input ("Enter File Name:")
       client Socket - send to (by te Csentence, "Utl-8"), (server Name,
                                                        Server Port)
        free contents, server Address = client Socket, year from (2048)
        print ("From Server: , filecontents)
         Chient Socket. close;)
    Server UDP. Py
        from socket impost *
         servo7Port = 12000
          Server Socket = Socket (AF_INET, SOCK_DERRAM)
          Berver Socket - blind ("127.0.0.1", server Port))
           prints (" Server Ready to Recreve")
           while 1
                 Sentence, Chent Address = server Socket. recufrom (2048)
                  file = open (sentince, r)
                  1 = file read (2048)
                  server Socket. sendto (bytes (1, "utl-8"), ( frent Address)
                   print (" sent back to ( sent", 1)
                   file · close ()
```