

Program 17

Using UDP sockets, write a client-server program to make the client send the file name and the server to send back the contents of the requested file if present.

Code and Output:

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# / AIM:- Implement UDP.

# 1 Code:

// Client UDP
from socket import *
Server Name = "127.0.0.1"
Server Port = 20000
Client Socket = socket(AF_INET, SOCK_DGRAM)
Sentence = input("Enter file name ")
Client Socket . sendto (bytes (Sentence, "utf-8"),
                        (Server Name, Server Port))

File Contents = server Address = client Socket . receive (2048)
print ("Received from server:", File Contents)
Client Socket . close ()

Server UDP
from socket import *
Server Port = 12000
Server Sockets = socket (AF_INET, SOCK_DGRAM)
Server Socket . bind ("127.0.0.1", Server Port)
print ("The server is ready to receive")
while 1:
    Sentence, client Address = Server Sockets . receivefrom (2048)
    File = open (Sentence, "r")
    data = File . read (2048)
    Server Socket . sendto (bytes (data, "utf-8"), client Address)
    print ("Send back to client", 1)
    File . close ()
```

(#) Output

Server Side - —

The Server side is ready to receive
Sent back to client: Hello World

(Client side):- —

Enter file name: Hello.txt

From server: Hello World