

AAB-5G

AIM: Using UDP sockets, write client server program to make client send file name and server send back the contents of requested file.

Client UDP.py

```
from socket import *
serverName = '127.0.0.1'
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_DGRAM)
sentence = input("\nEnter file name")
clientSocket.sendto(sentence.encode("utf-8"), (serverName, serverPort))
fileContent, serverAddress = clientSocket.recvfrom(2048)
print("\nReply from Server")
print(fileContent.decode("UTF-8"))
for i in fileContent:
    print(str(i), end=' ')
clientSocket.close()
clientSocket.close()
```

Server UDP.py

```
from socket import *
serverPort = 12000
serverSocket = socket(AF_INET, SOCK_DGRAM)
serverSocket.bind(("127.0.0.1", serverPort))
print("The server is ready to receive")
while True:
    sentence, clientAddress = serverSocket.recvfrom(2048)
    sentence = sentence.decode("UTF-8")
```

```
file = open('sentence', "r")
con = file.read(5048)
serverSocket.sendto(file, bytes(con, "UTF-8"), clientAddr)
print("In sent contents of", end = '')
print(sentence)
for i in sentence
    print(shl(i), end = '')
file.close()
```

OUTPUT:

Server Side

Server ready to receive

sent contents of server.MDPy

The server is ready to receive

Client Side

Enter file name: ServerMDP.py

Reply from server:
from socket import

(Code & serverMDP.py written
is priority)