Exp 6 : UDP

Aim : Using UDP sockets, write a client server program to make client sending the filename and the server to send back. The contents of the requested file if present.

Code :

server udp.py

```
from socket import *
server Port = 12000
server Socket = 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 Addres = server Socket . recv from (2073)
    sentence = sentence . decode ("UTF - 8")
    file = open (sentence, "r")
    l = file . read (2048)
    server Socket = send to (bytes (l, "UTF_8"),
                             client Addres))
    print ("\n . sent contents of end = ' ')
    print (sentence)
    file . close ()
```

Client :

```
from socket import *
Server Name = "127 . 0 . 0 . 1"
Server Port = 12000 .
```

clientSocket = socket (AF_INET, SOCK_DGRAM)
Sentence = input ("\n Enter file name")
clientSocket.sendto (bytes (sentence, "UTF-8"),
serverName, serverPort)

FileContents, serverAddress = clientSocket.
recvfrom (2048)

print ("\n Reply from server")
print ("File Contents: " decode ("UTF-8"))
clientSocket.close()
clientSocket.close()

OUTPUT:

server udp.py
File server is ready to receive
Sent contents of server udp.py

Client udp.py