12. UDP

client.py

```
from socket import *
servername = "127.0.0.1"
serverport = 12000
clientSocket = socket(AF_INET, SOCK_DGRAM)
sentence = input("Enter file name")
clientSocket.sendto(bytes(sentence, "utf-8"),
        (servername, serverPort))
filecontent, serverAddress = clientSocket.recvfrom
        (2048)
print("Reply from server")
print(filecontent.decode("utf-8"))
clientSocket.close()
clientSocket.close()
```

Server.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 recieve")
while 1:
    sentence, clientAddress = serverSocket.recv
            from(2048)
    sentence = sentence.decode("utf-8")
    file = open(sentence, "r")
    l = file.read(2048)
```

serverSocket.sendto(bytes(l, "utf-8"),
            clientAddress)
print(` clnt contents of `, end = ' ')
  Print(clntent)
  file-close()

Output :-

The server is ready to recieve
  clnd Contents of server.py

  Enter filename :- server UDP.py
  Reply from server:
      from soucet import #
      serverport = 12000
      serverSocket = Soclet(AF_INET, SOCK
                          DGRAM)
      SeriverSoclut-Sendtu(bytes(l) + "utf-8"), clint
      file ~ close()   Address)