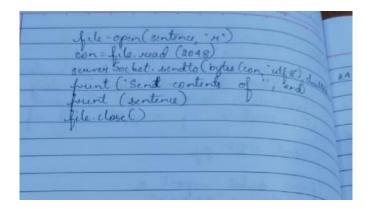
Week 16

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

```
ClientUDP.py
from socket import *
serverName = "127.0.0.1"
serverPort = 12000
clientSocket = socket(AF_INET, SOCK_DGRAM)
sentence = input("\nEnter file name: ")
clientSocket.sendto(bytes(sentence,"utf-8"),(serverName, serverPort))
filecontents, serverAddress = clientSocket.recvfrom(2048)
print ('\nReply from Server:\n')
print (filecontents.decode("utf-8"))
# for i in filecontents:
# print(str(i), end = '')
clientSocket.close()
clientSocket.close()
ServerUDP.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 1:
sentence, clientAddress = serverSocket.recvfrom(2048)
sentence = sentence.decode("utf-8")
file=open(sentence,"r")
```

```
con=file.read(2048)
serverSocket.sendto(bytes(con,"utf-8"),clientAddress)
print ('\nSent contents of ', end = ' ')
print (sentence)
# for i in sentence:
# print (str(i), end = '')
file.close()
```

Day 1
RATolas Ruk 16
Thing UDP sockets write a don't wine full name and worrow to make their bending the
program to make it & a chort was
file name and service to the
Client UDP. Py
Py
from socket import so
from socket import so
burrerPort = 12000
client Sochet = Sochet (AF-INCT, SOCK_DORAM)
Schund - input Knie 0 v
chientSocket. Lendto (Loyles (Lenlence 'at [-8")
Olesa t + Oll Cherrer Name sounded
includents, between o'dress- clast Sorbot ver l'anni
para (reply from server)
fruit (filecontents decode ("utf -8"))
ChentSocket.close ()
client Sochet close()
Source UDP. py
U D
lean week to invest &
SourcePort=12000
surverSocket = socket (AF_INET, SOCK_DGRAM)
source Socket. bend(("127.0.0.1", source Port))
Source Socket bind (("127.0.0.1", source Port)) fruit ("The source is ready to receive ")
While 1:
bintence, client Address: source Socket reer from (2
sentence = sentence . devode ("utf-8")



Output:

