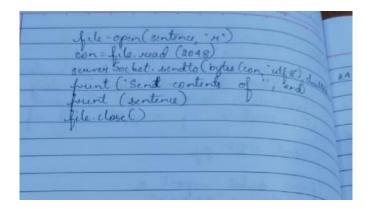# Week 16

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")
```

```python
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()
```

Week 16

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

Client UDP.py

```python
from socket import *
serverName = "127.0.0.1"
serverPort = 12000
client Socket = socket (AF-INET, SOCK_DGRAM)
sentence = input (" Enter file name")
clientSocket.sendto (bytes (sentence, 'utf -8'),
                     (serverName, serverPort)
filecontents, serverAddress= clientSocket.recvfrom(2048)
print ("Reply from server")
print (filecontents.decode ('utf -8'))
clientSocket.close ()
clientSocket.close()
```

Server UDP.py

```python
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(2
    sentence = sentence.decode ('utf-8')
```

```
file=open(sentence, "r")
con=file.read(2048)
serverSocket.sendto(bytes(con, "utf8"), clientAddress)
print("Send contents of ", end)
print(sentence)
file.close()
```

Output :