## CYCLE 2 PROGRAM 4

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.

```
Code:
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 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()
Client.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('utf8'))clientSocket.close()

## Output:

