

## Output

buffer size = 4 out } bucket size = 10  
buffer size = 7 out } bucket size = 10  
buffer size = 10 out } bucket size = 10  
buffer packet loss = 4  
buffer size = 9 out } bucket size = 10

Socket Programming : using ~~POP~~ sockets, write client  
[edit.py] server program make client  
send file name & server  
send back the contents of  
requested file if present.

From socket import \*

serverName = "DESKTOP-HMPDOFC"

serverPort = 12530

clientSocket = socket(AF\_INET, SOCK\_STREAM)

clientSocket = connect((serverName, serverPort))

sentence = input("Enter filename")

clientSocket.send(sentence.encode())

file contents = clientSocket.recv(1024).decode()

print('From server:', file contents)

clientSocket.close()

From socket import \*

serverName = "127.0.0.1"

serverPort = 12000

clientSocket = socket(AF\_INET, SOCK\_DGRAM)

sentence = input("Enter file name")

print('From server:', file contents)

clientSocket.close()

[scrapp.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)

file = open(sentence, "r")

l = file.read(2048)

serverSocket.sendto(bytes(l, "utf-8"), clientAddress)

print("Sent back to client", l)

file.close()

from socket import \*

serverName = "DESKTOP-HMPODEC"

serverPort = 12000

serverSocket = socket(AF\_INET, SOCK\_STREAM)

serverSocket.listen(1)

print("The server is ready to receive")

while 1:

connectionSocket, address = serverSocket.accept()

sentence = connectionSocket.recv(2048).decode()

file = open(sentence, "r")

l = file.read(2048)

connectionSocket.send(l.encode())

file.close()

connectionSocket.close()



Output:

Server started  
waiting for a client  
connected

Server started

waiting for a client

Client Accepted.

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