Sub Code : 18CSC302J

CSE F1

Computers Network

REG No. 1811003010344

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**EXPERIMENT-8**

**HALF DUPLEX CHAT USING TCP/IP**

**AIM:** To implement a Half Duplex chat using TCP/IP.

**CODING:**

**SERVER:**

#server side

from socket import \*

server\_port = 5000

server\_socket = socket(AF\_INET,SOCK\_STREAM)

server\_socket.bind(('',server\_port))

server\_socket.listen(1)

print ("Welcome: The server is now ready to receive")

connection\_socket, address = server\_socket.accept()

while True:

sentence = connection\_socket.recv(2048).decode()

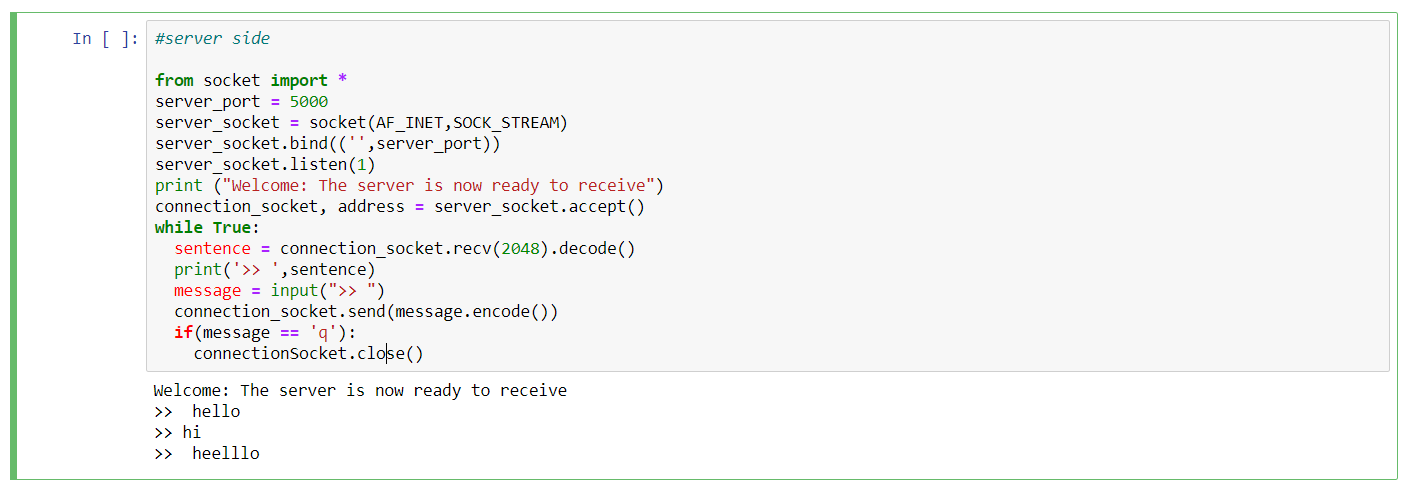
print('>> ',sentence)

message = input(">> ")

connection\_socket.send(message.encode())

if(message == 'q'):

connectionSocket.close()



**CODING:**

**CLIENT:**

#Client side

from socket import \*

server\_name = 'localhost'

server\_port = 5000

client\_socket = socket(AF\_INET, SOCK\_STREAM)

client\_socket.connect((server\_name,server\_port))

while True:

sentence = input(">> ")

client\_socket.send(sentence.encode())

message = client\_socket.recv(2048)

print (">> ", message.decode())

if(sentence == 'q'):

client\_socket.close()



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