

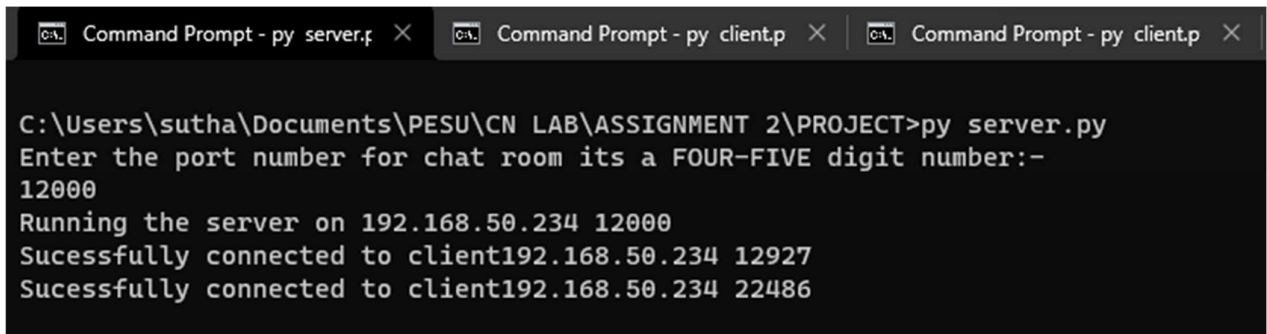
# **REFERENCE SCREENSHOTS**

## **TOPIC : SOCKET PROGRAMMING CHAT SERVER**

### **PART 1 : CHAT SERVER WITH GUI:-**

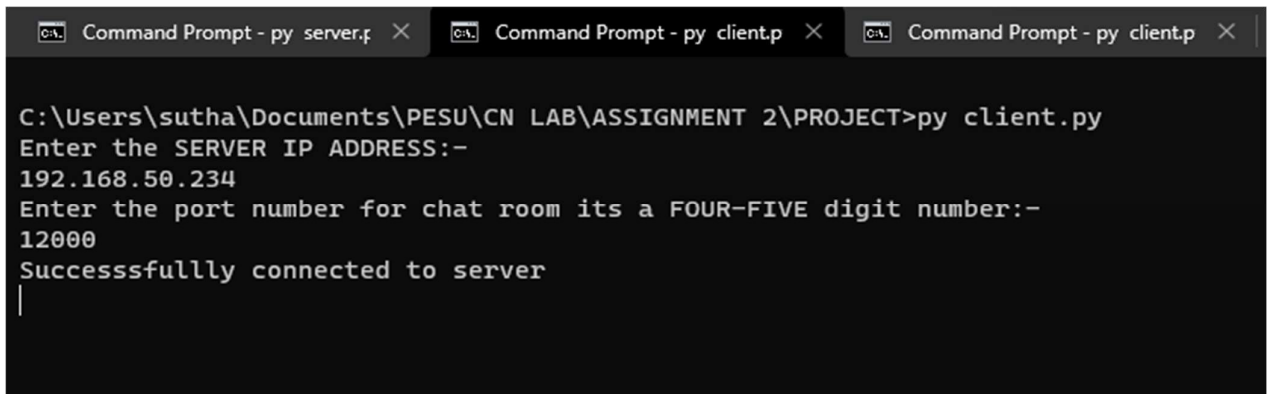
### **OUTPUT SCREENSHOTS:-**

#### **SERVER SHOWING BOTH THE CLIENTS CONNECTED:-**



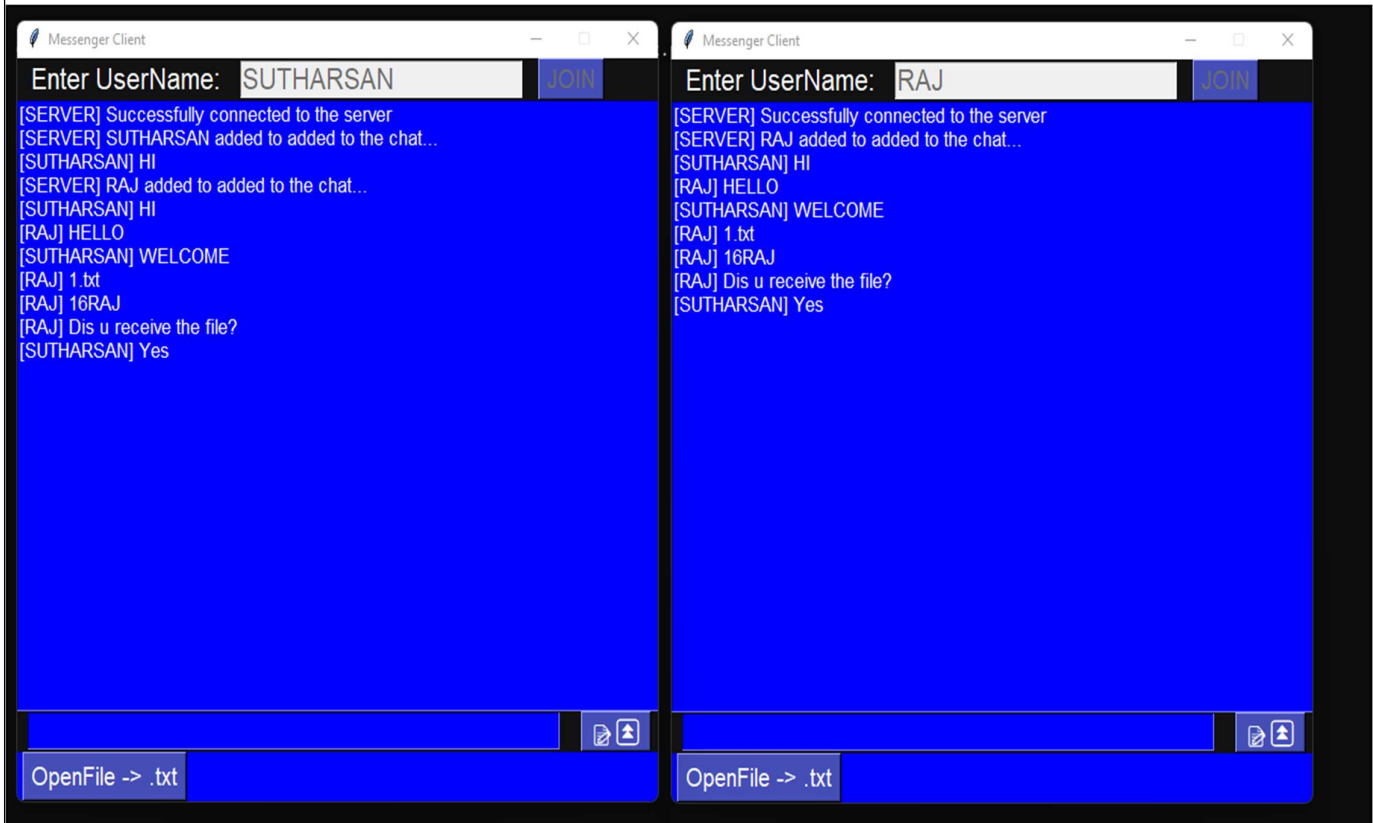
```
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py server.py
Enter the port number for chat room its a FOUR-FIVE digit number:-
12000
Running the server on 192.168.50.234 12000
Sucessfully connected to client192.168.50.234 12927
Sucessfully connected to client192.168.50.234 22486
```

#### **CLIENT 1 CONNECTED:-**



```
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py client.py
Enter the SERVER IP ADDRESS:-
192.168.50.234
Enter the port number for chat room its a FOUR-FIVE digit number:-
12000
Successsfully connected to server
|
```

## CHAT ROOM SHOWING BOTH THE CLIENTS WITH CHATS AND FILE TRANSFER ALSO



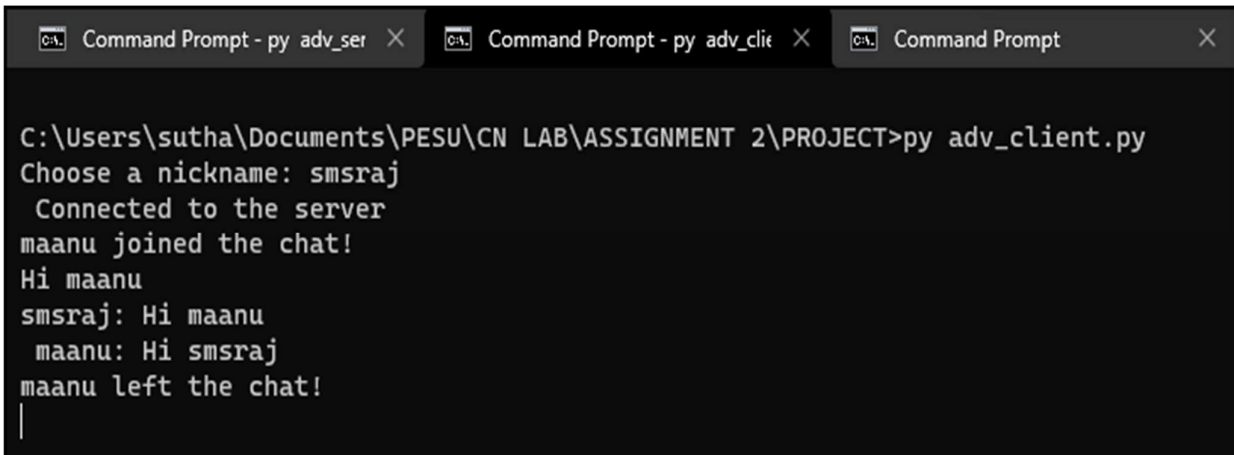
## CLIENT 2 CONNECTED , SHOWING THE FILE TRANSFER ALSO:-

```
Command Prompt - py server.p  X | Command Prompt - py client.p  X | Command Prompt - py client.p  X
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py client.py
Enter the SERVER IP ADDRESS:-
192.168.50.234
Enter the port number for chat room its a FOUR-FIVE digit number:-
12000
Successssfullly connected to server
File Name:1.txt
File Transfer Complete.Total time:  0.000997781753540039
|
```

## **PART 2 : CHAT SERVER WITH ADMIN PRIVILEGES (IN CMD):-**

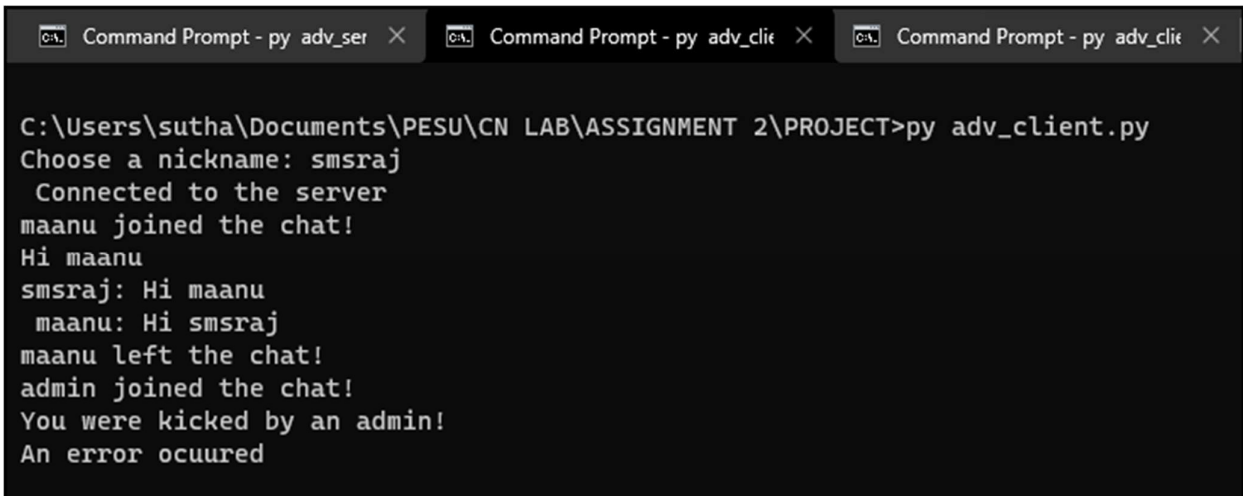
### **OUTPUT SCREENSHOTS:-**

#### **CLIENT 1 CHATTING TO CLIENT 2:-**



```
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py adv_client.py
Choose a nickname: smsraj
Connected to the server
maanu joined the chat!
Hi maanu
smsraj: Hi maanu
maanu: Hi smsraj
maanu left the chat!
|
```

#### **CLIENT 2 CHATTING TO CLIENT 1:-**



```
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py adv_client.py
Choose a nickname: smsraj
Connected to the server
maanu joined the chat!
Hi maanu
smsraj: Hi maanu
maanu: Hi smsraj
maanu left the chat!
admin joined the chat!
You were kicked by an admin!
An error ocuured
```

#### **ADMIN ENTERING THE CHAT AND CAN REMOVE AND BAN A USER:-**

```
Command Prompt - py adv_ser X Command Prompt - py adv_cli X Command Prompt - py adv_cli X + v
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py adv_client.py
Choose a nickname: admin
Enter password for admin: adminpass
Connected to the server
/kick smsraj
smsraj was kicked by an admin!
/ban smsraj
|
```

### **THE BANNED STATUS SHOWING IN THE SERVER:-**

```
Command Prompt - py adv_ser X Command Prompt - py adv_cli X Command Prompt - py adv_cli X
C:\Users\sutha\Documents\PESU\CN LAB\ASSIGNMENT 2\PROJECT>py adv_server.py
Server is listening.....
Connected with ('192.168.50.234', 32554)
Nickname of the client is smsraj
Connected with ('192.168.50.234', 32556)
Nickname of the client is maanu
Connected with ('192.168.50.234', 32565)
Nickname of the client is admin
smsraj was banned
|
```

### **BANNED PERSON NAME STORED IN bans.txt:-**

```
bans - Notepad
File Edit View
smsraj
```