CS359 - Computer Network Lab

Lab 5

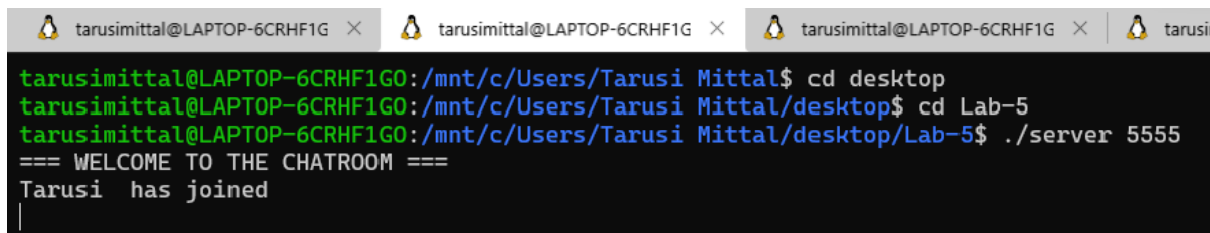Tarusi Mittal   1901CS65
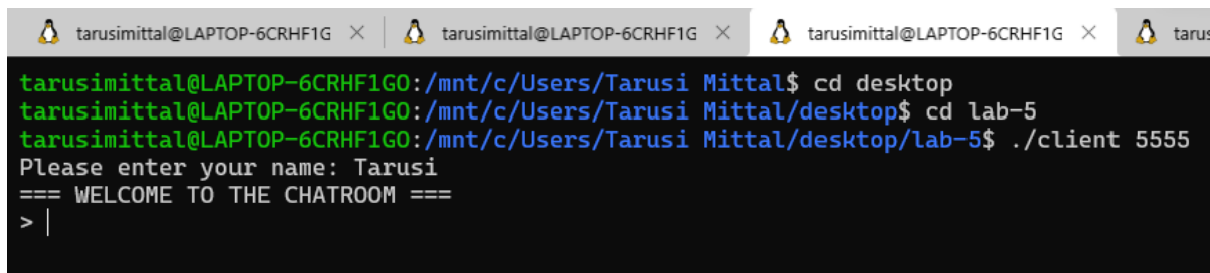
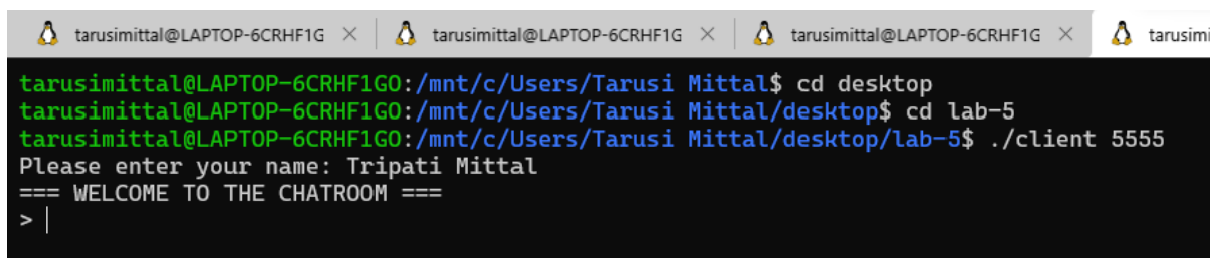The folder contains two files:

1 server.c

2 client.c

1 Initially when we run the server and make one person join the server looks like this:

And the client side looks like this

2. Then we join one another client

3. These are what our server and other client interfaces look then

4. Then we make entry of our third client

5. These are what our other client interfaces look then

,

```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./server 5555
=== WELCOME TO THE CHATROOM ===
Tarusi  has joined
Tripati Mittal has joined
Tejas Kapoor has joined
```

6. Now as two clients text these are hat client screens look now


```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./server 5555
=== WELCOME TO THE CHATROOM ===
Tarusi  has joined
Tripati Mittal has joined
Tejas Kapoor has joined
Tarusi : Hey Tejas
Tejas Kapoor: Heyy
```



```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tarusi
=== WELCOME TO THE CHATROOM ===
> Tripati Mittal has joined
> Tejas Kapoor has joined
> Hey Tejas
> Tejas Kapoor: Heyy
>
```



```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tripati Mittal
=== WELCOME TO THE CHATROOM ===
> Tejas Kapoor has joined
> Tarusi : Hey Tejas
> Tejas Kapoor: Heyy
>
```

```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tejas Kapoor
=== WELCOME TO THE CHATROOM ===
> Tarusi : Hey Tejas
> Heyy
> |
```

7. here are the screenshots of when our conversation is a little more


```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./server 5555
=== WELCOME TO THE CHATROOM ===
Tarusi  has joined
Tripati Mittal has joined
Tejas Kapoor has joined
Tarusi : Hey Tejas
Tejas Kapoor: Heyy
Tripati Mittal: Hi guys, i am here too
Tarusi : Lol okayy
```



```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tarusi
=== WELCOME TO THE CHATROOM ===
> Tripati Mittal has joined
> Tejas Kapoor has joined
> Hey Tejas
> Tejas Kapoor: Heyy
> Tripati Mittal: Hi guys, i am here too
> Lol okayy
> |
```



```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tejas Kapoor
=== WELCOME TO THE CHATROOM ===
> Tarusi : Hey Tejas
> Heyy
> Tripati Mittal: Hi guys, i am here too
> Tarusi : Lol okayy
> |
```

8. Now a new client has joined the chatbox

The client himself:


```
tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      tarus

tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./client 5555
Please enter your name: Rachita
=== WELCOME TO THE CHATROOM ===
>
```

Other users:


```
tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      tarus

tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop$ cd lab-5
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop/lab-5$ ./client 5555
Please enter your name: Tarusi
=== WELCOME TO THE CHATROOM ===
> Tripati Mittal has joined
> Tejas Kapoor has joined
> Hey Tejas
> Tejas Kapoor: Heyy
> Tripati Mittal: Hi guys, i am here too
> Lol okayy
> Rachita  has joined
>
```

Server:


```
tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      tarusimittal@LAPTOP-6CRHF1G      taru

tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1G0:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./server 5555
=== WELCOME TO THE CHATROOM ===
Tarusi  has joined
Tripati Mittal has joined
Tejas Kapoor has joined
Tarusi : Hey Tejas
Tejas Kapoor: Heyy
Tripati Mittal: Hi guys, i am here too
Tarusi : Lol okayy
Rachita  has joined
```

9. Now our new user texts and this are our interfaces

The user himself:

```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./client 5555
Please enter your name: Rachita
=== WELCOME TO THE CHATROOM ===
> Hi everyone
> |
```

Other users:

```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./client 5555
Please enter your name: Tejas kapoor
=== WELCOME TO THE CHATROOM ===
> Tarusi: Hey Tejas
> Heyy
> Tripati Mittal: Hi guys, i am here too
> Tarusi: Lol okayy
> Rachita has joined
> Rachita: Hi everyone
> |
```

Server:

```
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal$ cd desktop
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop$ cd Lab-5
tarusimittal@LAPTOP-6CRHF1GO:/mnt/c/Users/Tarusi Mittal/desktop/Lab-5$ ./server 5555
=== WELCOME TO THE CHATROOM ===
Tarusi has joined
Tripati Mittal has joined
Tejas kapoor has joined
Tarusi: Hey Tejas
Tejas kapoor: Heyy
Tripati Mittal: Hi guys, i am here too
Tarusi: Lol okayy
Rachita has joined
Rachita: Hi everyone
|
```

10. Now one of our user decides to leave the chatbox

Screen of user himself:

Server:

Other clients:

END