

CN Assignment 4: Chat Room Application (TCP Socket)

Name: Omkar Oak

MIS: 112103099

Div: 2

Batch: T1

Output Images

1. Server listening

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab> python -u "d:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4\server.py"
Server listening on 127.0.0.1:12345
█
```

2. First client connected

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4> python client.py
Enter your username: omkar
|
```

3. Second client connected

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4> python client.py
Enter your username: siddhant
|
```

4. Server side

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab> python -u "d:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4\server.py"
Server listening on 127.0.0.1:12345
omkar connected
siddhant connected
|
```

5. After the conversation:

a. First client point of view

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4> python client.py
Enter your username: omkar
Hi, My name is omkar
(2023-10-03 19:54:21) siddhant: Hello, i am siddhant
How are you doing siddhant?
(2023-10-03 19:54:43) siddhant: I am doing fine, how about you?
I am doing great too!
(2023-10-03 19:55:09) siddhant: Glad to hear that!
I have work to do, bye bye
(2023-10-03 19:55:30) siddhant: bye bye
|
```

b. Second client point of view

```
PS D:\Omkar\COEP TY\TY Sem V\CN Lab\Assignment 4> python client.py
Enter your username: siddhant
(2023-10-03 19:54:09) omkar: Hi, My name is omkar
Hello, i am siddhant
(2023-10-03 19:54:33) omkar: How are you doing siddhant?
I am doing fine, how about you?
(2023-10-03 19:54:53) omkar: I am doing great too!
Glad to hear that!
(2023-10-03 19:55:22) omkar: I have work to do, bye bye
bye bye
|
```

c. Server point of view

```
Server listening on 127.0.0.1:12345
omkar connected
siddhant connected
(2023-10-03 19:54:09)   omkar: Hi, My name is omkar
(2023-10-03 19:54:21)   siddhant: Hello, i am siddhant
(2023-10-03 19:54:33)   omkar: How are you doing siddhant?
(2023-10-03 19:54:43)   siddhant: I am doing fine, how about you?
(2023-10-03 19:54:53)   omkar: I am doing great too!
(2023-10-03 19:55:09)   siddhant: Glad to hear that!
(2023-10-03 19:55:22)   omkar: I have work to do, bye bye
(2023-10-03 19:55:30)   siddhant: bye bye
|
```

6. Terminating the connection

```
(2023-10-03 19:55:09)   siddhant: Glad to hear that!
(2023-10-03 19:55:22)   omkar: I have work to do, bye bye
(2023-10-03 19:55:30)   siddhant: bye bye
(2023-10-03 19:57:26)   omkar: exit
omkar disconnected
(2023-10-03 19:57:28)   siddhant: exit
siddhant disconnected
|
```
