

```
ko@nitro5:~/31341/CNL/B4$  
javac MultiUserChat.java
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ko@nitro5:~/31341/CNL/B4$  
java MultiUserChat  
CHAT SERVER IS ONLINE  
Kaustubh is leaving  
Tanmay is leaving  
█
```

```
Enter /quit to exit the lobby  
Lobby Members:  
Pranjal  
Tanmay  
Kaustubh  
-----  
CHAT  
Kaustubh joined  
Tanmay joined  
Pranjal joined  
Kaustubh: Hello everyone  
Tanmay: Hi!  
Pranjal: Eh!  
Kaustubh: Nice conversation as usual @pranjal  
Pranjal: Eh  
Kaustubh: I made this chat app in java  
Tanmay: Noice  
Pranjal: Smort  
Pranjal: Ez  
Kaustubh: Ok  
Kaustubh: Gotta go, bye  
/quit  
█
```

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Enter /quit to exit the lobby  
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Pranjal  
Tanmay  
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CHAT  
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Pranjal: Eh  
Kaustubh: I made this chat app in java  
Tanmay: Noice  
Pranjal: Smort  
Pranjal: Ez  
Kaustubh: Ok  
Kaustubh: Gotta go, bye  
Kaustubh has left  
Tanmay: I'm out too  
/quit  
█
```

```
Enter /quit to exit the lobby  
Lobby Members:  
Pranjal  
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CHAT  
Kaustubh joined  
Tanmay joined  
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Tanmay: Hi!  
Pranjal: Eh!  
Kaustubh: Nice conversation as usual @pranjal  
Pranjal: Eh  
Kaustubh: I made this chat app in java  
Tanmay: Noice  
Pranjal: Smort  
Pranjal: Ez  
Kaustubh: Ok  
Kaustubh: Gotta go, bye  
Kaustubh has left  
Tanmay: I'm out too  
Tanmay has left  
Pranjal: SedLyf  
█
```

```
ko@nitro5:~/31341/CNL/B4$ javac P2PS.java
ko@nitro5:~/31341/CNL/B4$ java P2PS 2720
From client:- Hello server!
Server:- Hello client!
From client:- What is this?
Server:- This is a P2P chat server
From client:- Oh
Server:- You can enter bye to exit
From client:- Ok
Server:- Try it
From client:- bye
ko@nitro5:~/31341/CNL/B4$ █
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```
ko@nitro5:~/31341/CNL/B4$ javac P2PC.java
ko@nitro5:~/31341/CNL/B4$ java P2PC 2720
From server:- Welcome Client for chat program
From client:- Hello server!
From server:- Hello client!
From client:- What is this?
From server:- This is a P2P chat server
From client:- Oh
From server:- You can enter bye to exit
From client:- Ok
From server:- Try it
From client:- bye
ko@nitro5:~/31341/CNL/B4$ □
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```
ko@nitro5:~/31341/CNL/B4$ java ServerUDP
/127.0.0.1,53481 : GREETINGS
/127.0.0.1,43350 : GREETINGS
/127.0.0.1,53481 : Hello!
/127.0.0.1,43350 : Hi!
/127.0.0.1,43350 : Hey!
/127.0.0.1,53481 : Receiving loud and clear!
/127.0.0.1,43350 : Ok, bye!
/127.0.0.1,53481 : Bye!
^Cko@nitro5:~/31341/CNL/B4$
```

```
ko@nitro5:~/31341/CNL/B4$ java ClientUDP localh
ost
/127.0.0.1,53481 : GREETINGS
/127.0.0.1,43350 : GREETINGS
Hello!
/127.0.0.1,53481 : Hello!
/127.0.0.1,43350 : Hi!
/127.0.0.1,43350 : Hey!
Receiving loud and clear!
/127.0.0.1,53481 : Receiving loud and clear!
/127.0.0.1,43350 : Ok, bye!
Bye!
/127.0.0.1,53481 : Bye!
^Cko@nitro5:~/31341/CNL/B4$
```

```
ko@nitro5:~/31341/CNL/B4$ java ClientUDP local
host
/127.0.0.1,43350 : GREETINGS
/127.0.0.1,53481 : Hello!
Hi!
/127.0.0.1,43350 : Hi!
Hey!
/127.0.0.1,43350 : Hey!
/127.0.0.1,53481 : Receiving loud and clear!
Ok, bye!
/127.0.0.1,43350 : Ok, bye!
/127.0.0.1,53481 : Bye!
^Cko@nitro5:~/31341/CNL/B4$
```

```
ko@nitro5:~/31341/CNL/B4$ javac MultiUserChatUDP.java
ko@nitro5:~/31341/CNL/B4$ java MultiUserChatUDP
P 230.230.230.230 2720
Enter your name: Kaustubh
Start typing messages...

Tanmay: Hello!
Hi Tanmay!
Pranjal: Hello?
Tanmay: Hi
Hi
Pranjal: Eh
Not this again, I'm going
Exit
Socket closed!
ko@nitro5:~/31341/CNL/B4$
```

```
ko@nitro5:~/31341/CNL/B4$ java MultiUserChatUDP
230.230.230.230 2720
Enter your name: Tanmay
Start typing messages...

Hello!
Kaustubh: Hi Tanmay!
Pranjal: Hello?
Hi
Kaustubh: Hi
Pranjal: Eh
Kaustubh: Not this again, I'm going
Me too
Exit
Socket closed!
ko@nitro5:~/31341/CNL/B4$
```

```
ko@nitro5:~/31341/CNL/B4$ java MultiUserChatUDP
P 230.230.230.230 2720
Enter your name: Pranjal
Start typing messages...

Hello?
Tanmay: Hi
Kaustubh: Hi
Eh
Kaustubh: Not this again, I'm going
Tanmay: Me too
Lol
Exi
Exit
Socket closed!
ko@nitro5:~/31341/CNL/B4$
```