To Compile, from the root folder, on the terminal write,

make

To Run the server,

java Server

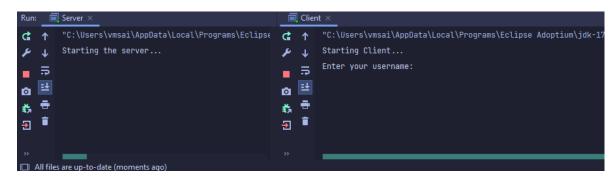
To Run the client,

java client

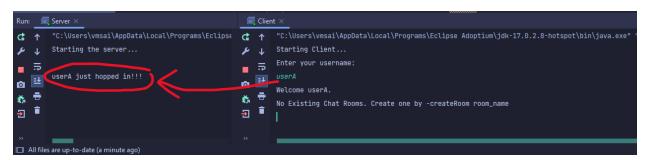
Functionality:

• TCP connection between client and server

Initial state:

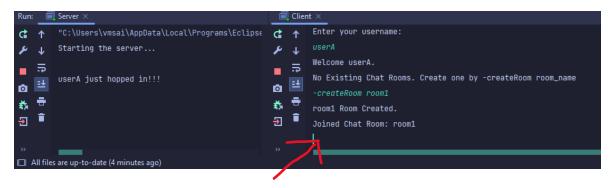


After entering the username, the client gets connected to the server via TCP:



View list of existing chat rooms

First a room has to be created in order to see the room list. Via -createRoom room_Name



Now list rooms by -rooms

```
Client ×

room1 Room Created.

Joined Chat Room: room1

-rooms

Available Chat Rooms:

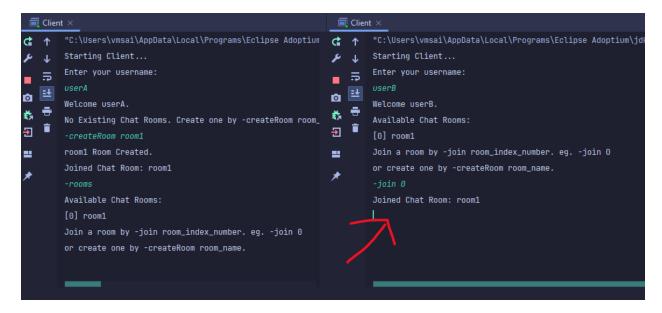
[0] room1

Join a room by -join room_index_number. eg. -join 0

or create one by -createRoom room_name.
```

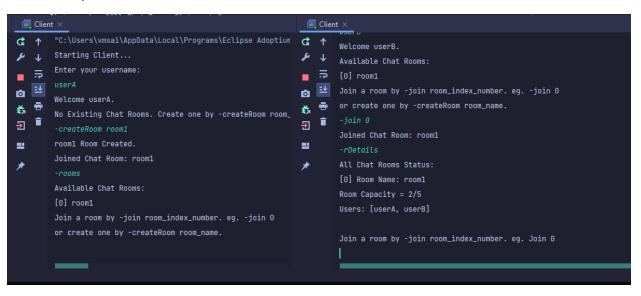
• Join existing chat rooms

Now creating another client, then joining the room by the index number beside the rooms list.



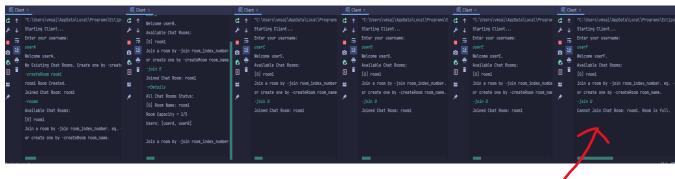
• View the number and list of connected users for each room

From any client, write -rDetails



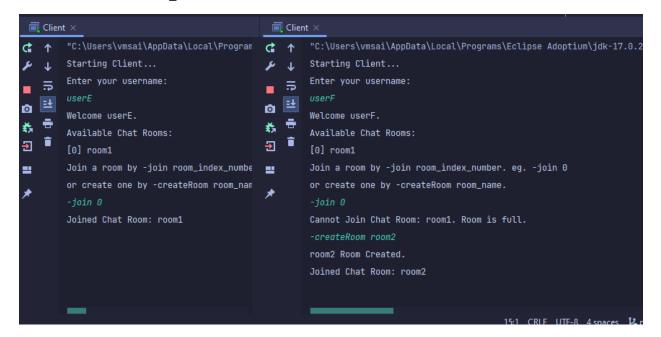
• Check room capacity and restrict access to full capacity rooms

Now creating 6 clients in total, 5 will be joining in one room, the 6th client won't be able to join on that room



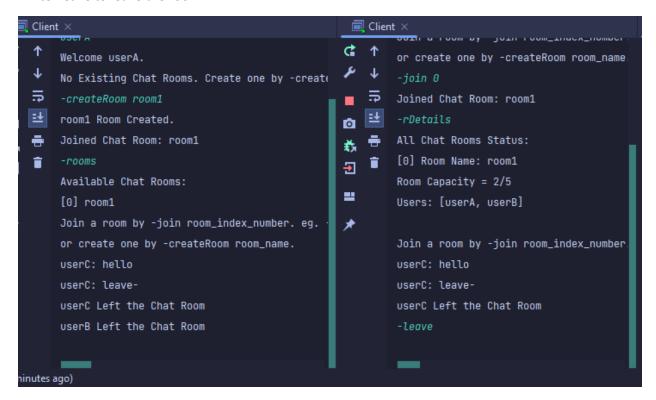
• Create chat rooms

Write -createRoom room_name to create a room



• Leave a chat room

Write -leave to leave the room



Send messages to chat rooms

