OOP Assignment NO.2

Message APP Server Client

**Submitted by:** Muhammad Reyan(SP24-BSE-080)

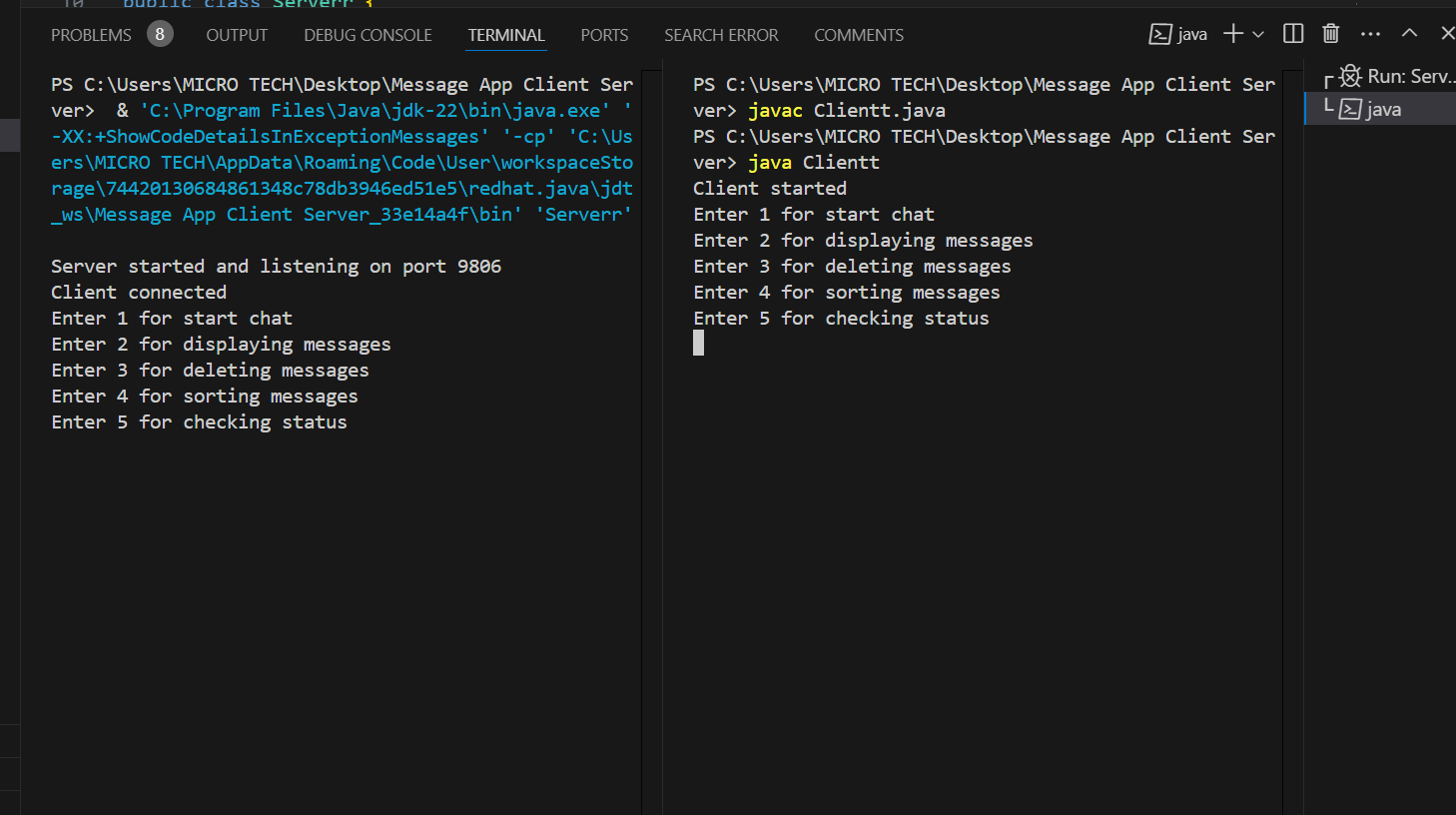
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**Submitted to:** DR. Shahid Bhatti

**Welcome to our Message App:**

**Here is the Main Menu of our App**

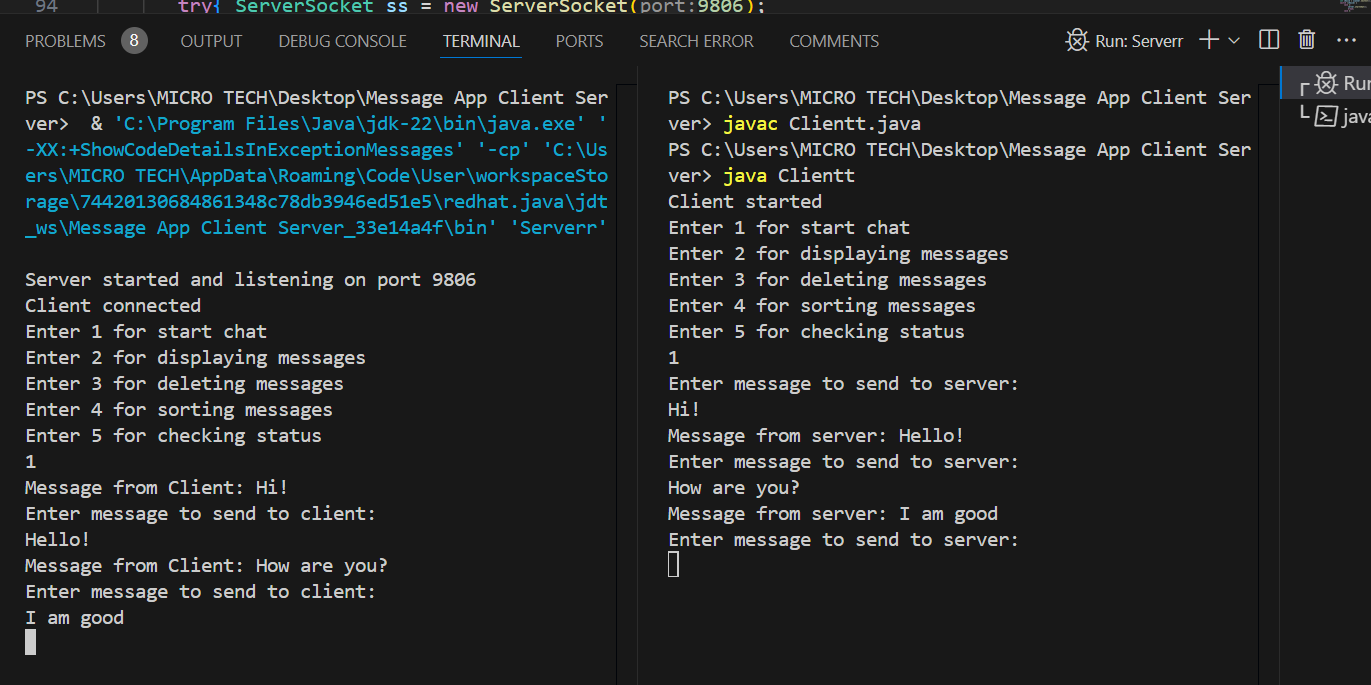
**Where you can use different functions of that App:**

* Start Chat
* Display Messages
* Delete Messages
* Sort Messages
* Check status of the Messages

* **Now if we press 1:**

The connection between Server and Client will establish.

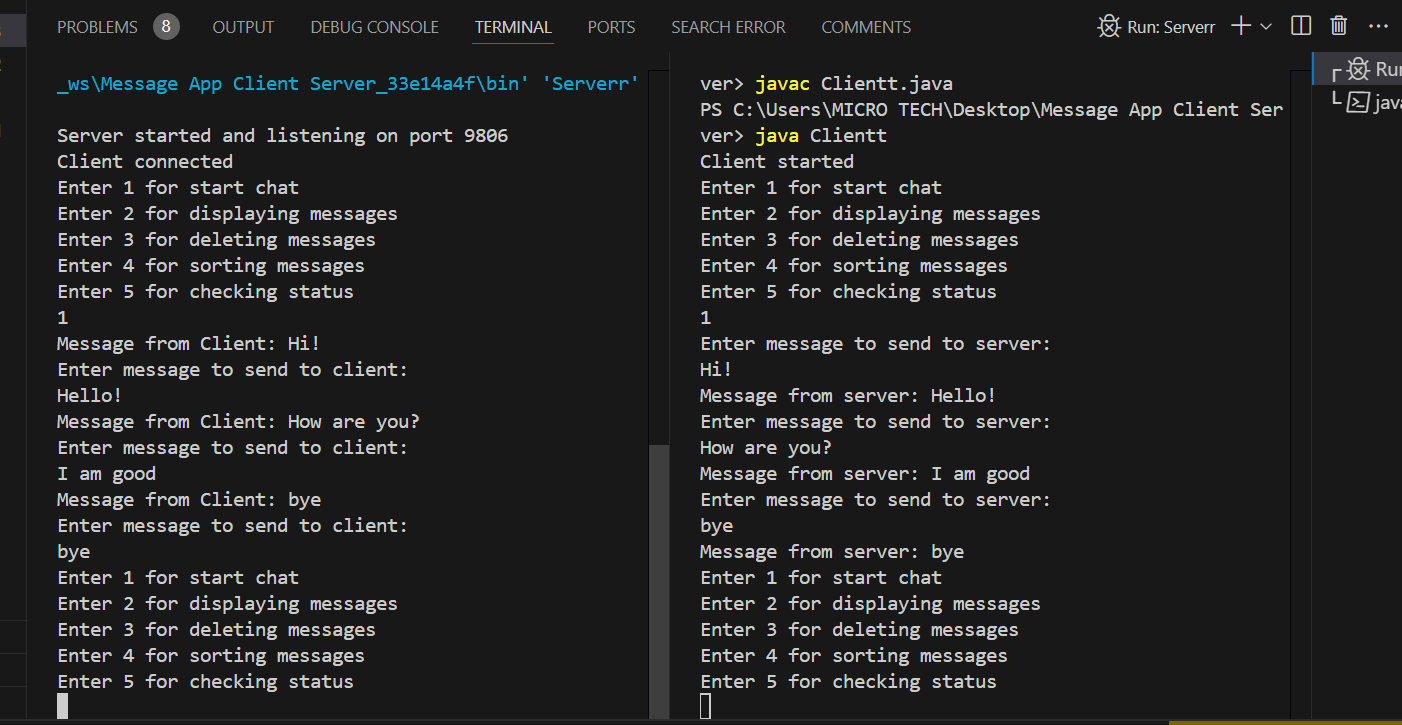
And our Chat function will start and starts sending messages to each other between server and client.

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Now as you can see the chat between server and client has started. They are sending messages to each other.

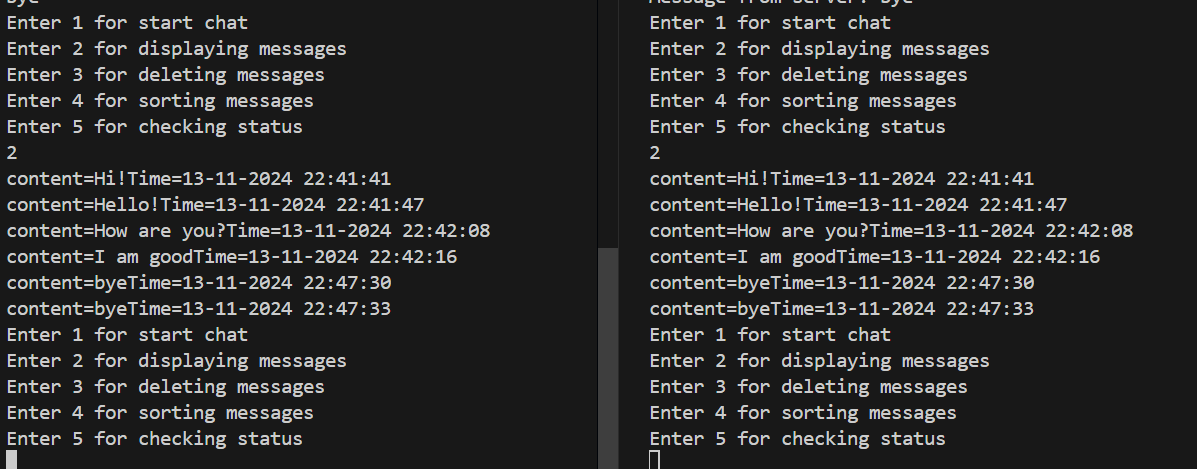
* **If we want to exit from chatting:**

We will send (bye) message to each other.



By sending bye message to each other connection is closed, and program controls again goes to Main menu of the App.

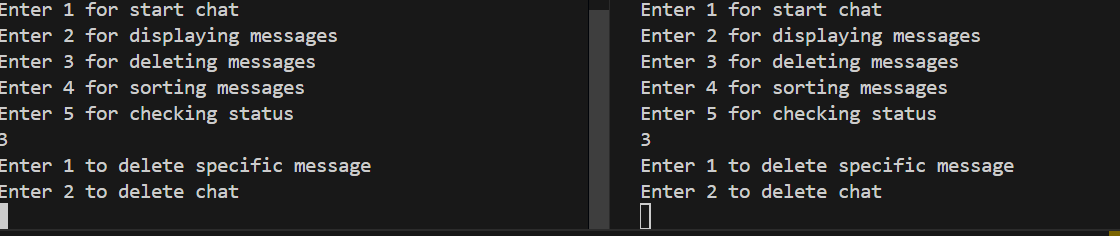
* **If we press 2 The Display method will call:**



As you can see our messages are displayed according to time and content by pressing 2 and then again program controls go to Main menu.

* **If we press 3 Delete function will call:**

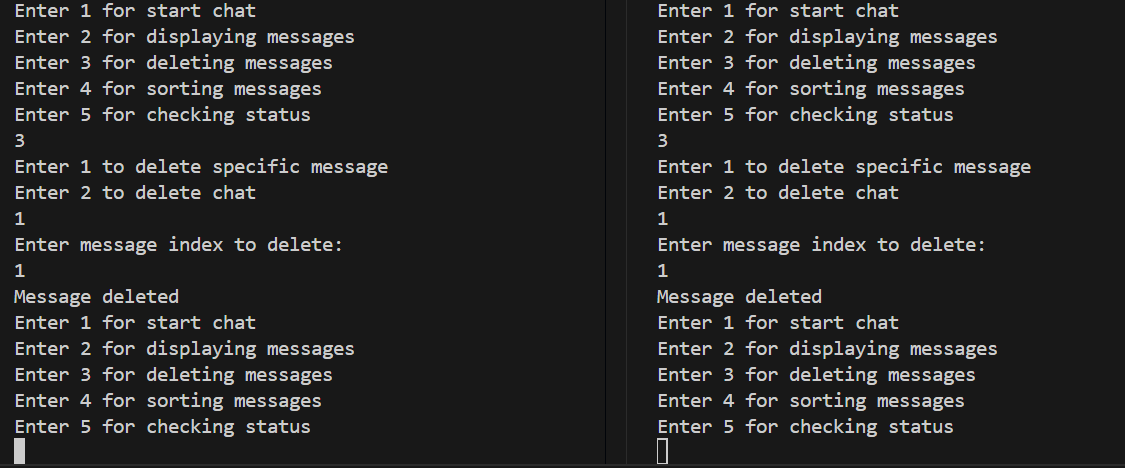
Then the program will ask us whether we want to delete a specific message or want to delete the entire chat.



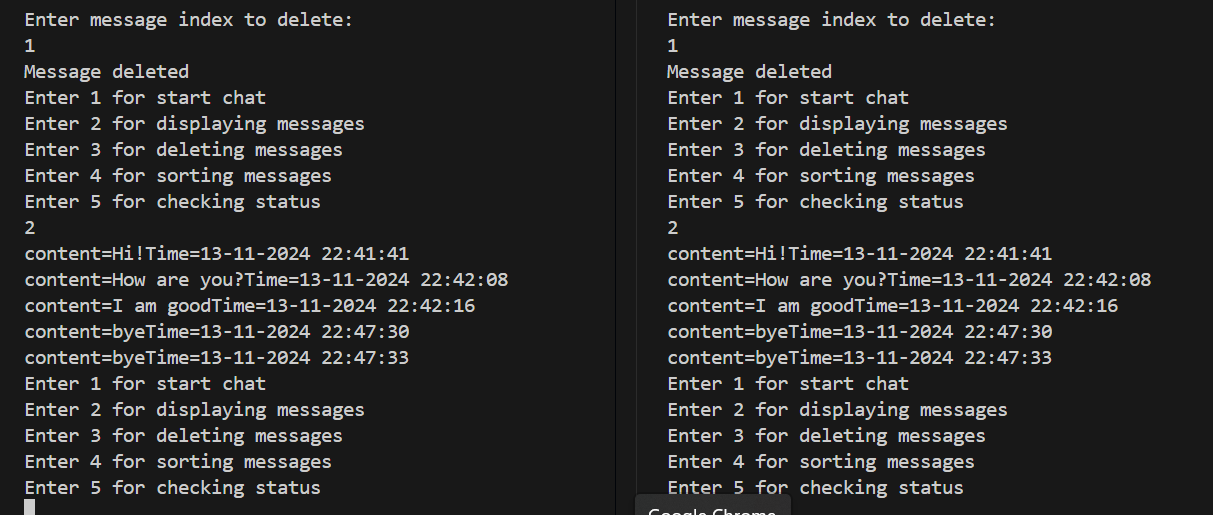
* **Then by pressing 1:**

The program will ask for a certain index for which we want to delete message.

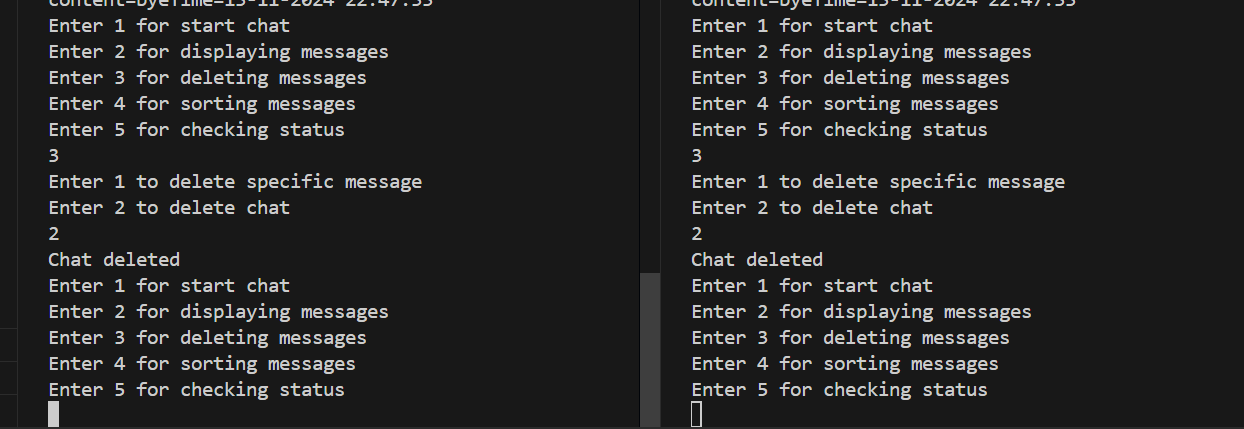
By passing that index the message at that index will be deleted.



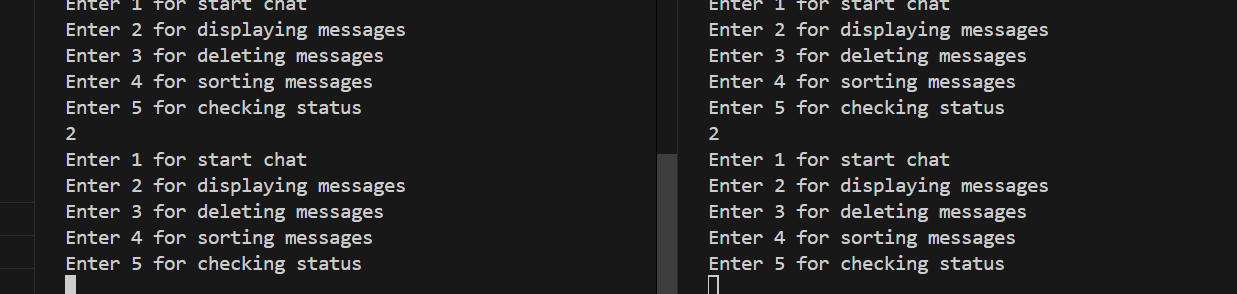
* Now if we display the message will have been deleted:



* If we press 2 the entire chat will be deleted.

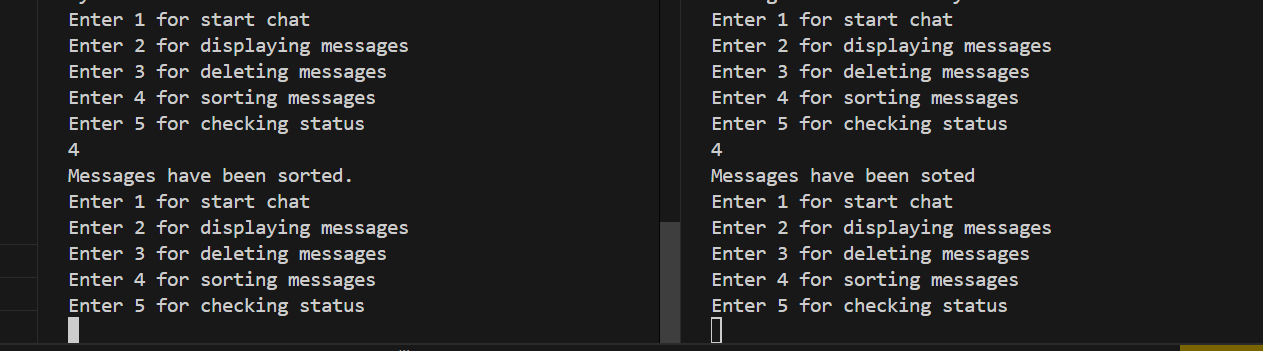


* Now the display of the message chat has been removed.



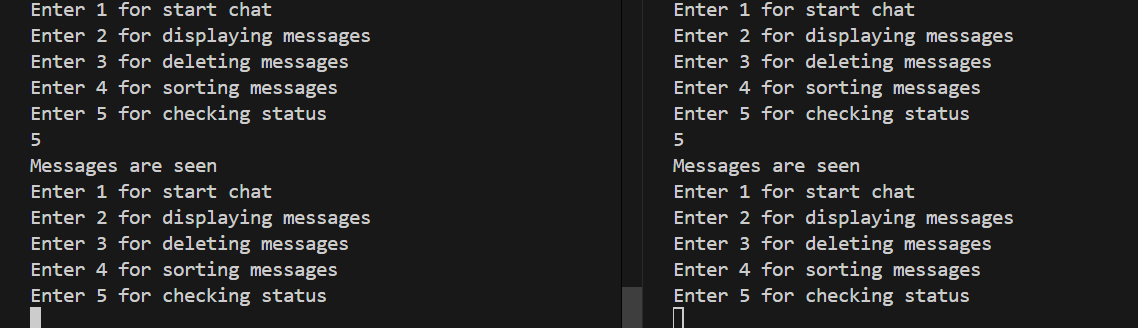
There is no message to display.

* If we press 4 the messages will be sorted in accordance to their time.



The messages have been sorted and displayed in time accordance.

* Now if we press 5 the messages status has been updated that all are seen because we display messages multiple times.



**That’s it our program has been terminated all functions worked.**

**Thank you so much!**