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Note: I had incorrectly placed the main method in the EchoServer class instead of ther ServerConsole class, which is why in the screenshots you will notice that I compiled the file using the EchoServer class. I have made the changes in the java file.

Test2002

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole
No login ID specified. Conenction aborted.
Error: Can't setup connection! Terminating client.
```

Test2003

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 123456789
Error: Can't setup connection! Terminating client.
```

Test 2004

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer
Server listening for connections on port 5555
A new client is attempting to connect to the server
Message received: #login 12345 from 127.0.0.1 (127.0.0.1)
```
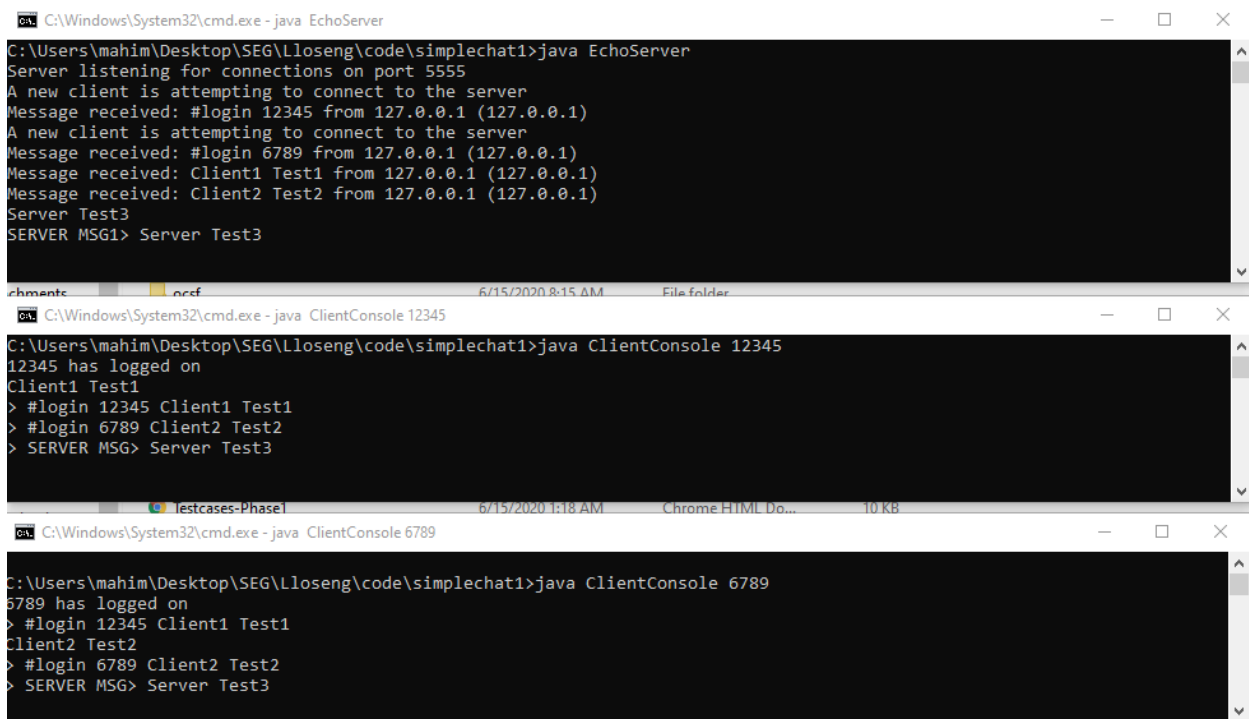
```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 12345
12345 has logged on
```

Test2005

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer
Server listening for connections on port 5555
A new client is attempting to connect to the server
Message received: #login 12345 from 127.0.0.1 (127.0.0.1)
Message received: Test1 on client1 from 127.0.0.1 (127.0.0.1)
```

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 12345
12345 has logged on
Test1 on client1
> #login 12345 Test1 on client1
```
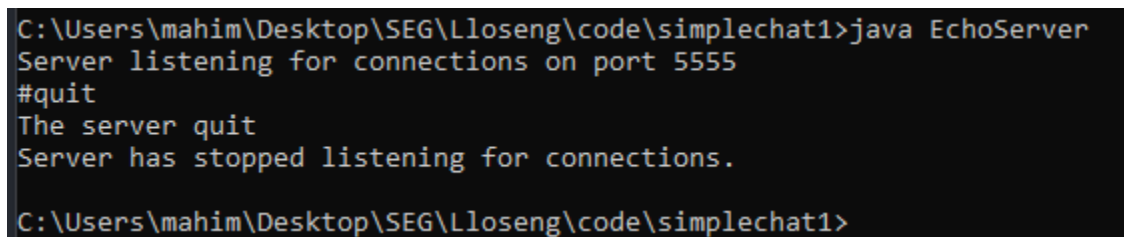
Test 2006


```
C:\Windows\System32\cmd.exe - java EchoServer                                          —    □    ×

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer
Server listening for connections on port 5555
A new client is attempting to connect to the server
Message received: #login 12345 from 127.0.0.1 (127.0.0.1)
A new client is attempting to connect to the server
Message received: #login 6789 from 127.0.0.1 (127.0.0.1)
Message received: Client1 Test1 from 127.0.0.1 (127.0.0.1)
Message received: Client2 Test2 from 127.0.0.1 (127.0.0.1)
Server Test3
SERVER MSG1> Server Test3

chments            occf                     6/15/2020 8:15 AM    File folder
```

```
C:\Windows\System32\cmd.exe - java ClientConsole 12345                                 —    □    ×

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 12345
12345 has logged on
Client1 Test1
> #login 12345 Client1 Test1
> #login 6789 Client2 Test2
> SERVER MSG> Server Test3

         Testcases-Phase1               6/15/2020 1:18 AM     Chrome HTML Do...   10 KB
```

```
C:\Windows\System32\cmd.exe - java ClientConsole 6789                                  —    □    ×

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 6789
6789 has logged on
> #login 12345 Client1 Test1
Client2 Test2
> #login 6789 Client2 Test2
> SERVER MSG> Server Test3
```

Test2007

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer
Server listening for connections on port 5555
#quit
The server quit
Server has stopped listening for connections.

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>
```

Test2008

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoSe
Server listening for connections on port 5555
A new client is attempting to connect to the server
Message received: #login 12345 from 127.0.0.1 (127.0.0.1)
#stop
Server has stopped listening for connections.
Message received: test1 from 127.0.0.1 (127.0.0.1)
#start
Server listening for connections on port 5555
A new client is attempting to connect to the server
A new client is attempting to connect to the server
A new client is attempting to connect to the server
A new client is attempting to connect to the server
Message received: #login 1 from 127.0.0.1 (127.0.0.1)
Message received: #login 23 from 127.0.0.1 (127.0.0.1)
Message received: #login 4 from 127.0.0.1 (127.0.0.1)
Message received: #login 99 from 127.0.0.1 (127.0.0.1)
```

Test2009

Select C:\Windows\System32\cmd.exe

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer
Server listening for connections on port 5555
A new client is attempting to connect to the server
Message received: #login 12345 from 127.0.0.1 (127.0.0.1)
#stop
Server has stopped listening for connections.
#close
Client is disconnected
Unexpected error while reading from console!

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>
```

C:\Windows\System32\cmd.exe

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java ClientConsole 12345
12345 has logged on
> Server has shutdown
> Connection closed.

C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>
```

Test2010

Test2011

Test2012

Test2013

```
C:\Users\mahim\Desktop\SEG\Lloseng\code\simplechat1>java EchoServer 1234
Server listening for connections on port 1234
```