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**NOTE-- IDE used Netbeans 8.2**

**Platform-- Windows Os**

**INSTRUCTIONS**

1. open the project Chat\_Client in netbeans.

2. open the project Chat\_Server in netbeans.

3. run server\_frame.java

4. run client\_frame.java

5. Run the ActiveMQ using command prompt

6. enter the username in user textfield in client gui and press connect

7. if user already logged in from another client we will get an error else user will get connected. ( we can see all logged in users and online users in server gui )

8. type in the message and press send button to send the message

**Note**: Send button will broadcast message to all users online or offline . If we want to send 1-1, 1-n then we can select users from the user list in client gui whom we want to send the message

9. Press check message button to see all messages in queue. If there are no message then queue is empty will message will be displayed.

Sources used:

<https://javainsider.wordpress.com/tag/jms-with-activemq-sample-example/>

<https://drive.google.com/drive/u/0/folders/0B4fPeBZJ1d19WkR3blE4ZVNTams>

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