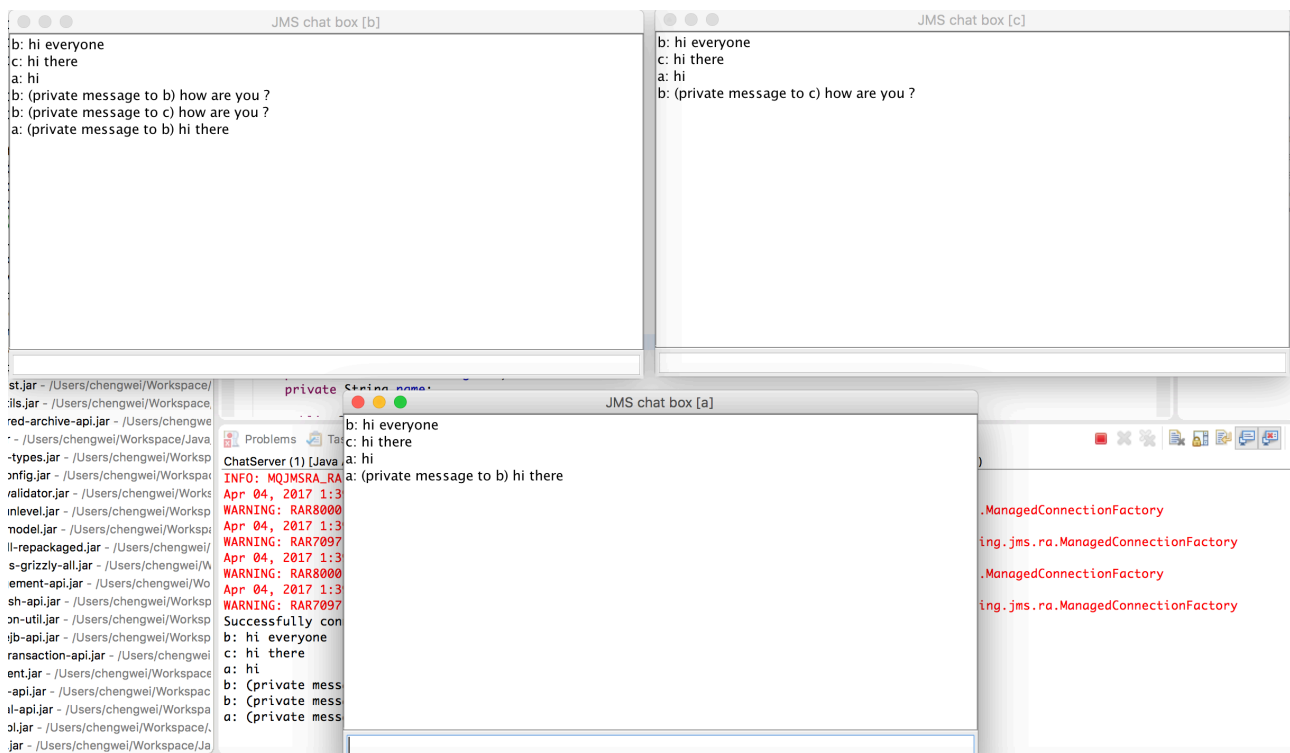# COMP3402 Tutorial 05 JMS (Java Message Service)

1. Screenshots of running program
    1. The server is connected to JMS service successfully

```
ChatServer (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_65.jdk/Contents/Home/bin/java (Apr 4, 2017, 1:38:58 AM)
INFO: HV000001: Hibernate Validator 5.1.2.Final
Apr 04, 2017 1:39:04 AM com.sun.messaging.jms.ra.ResourceAdapter start
INFO: MQJMSRA_RA1101: GlassFish MQ JMS Resource Adapter: Version:  5.1.1  (Build 2-c) Compile:  March 17 2015 1045
Apr 04, 2017 1:39:04 AM com.sun.messaging.jms.ra.ResourceAdapter start
INFO: MQJMSRA_RA1101: GlassFish MQ JMS Resource Adapter starting: broker is REMOTE, connection mode is TCP
Apr 04, 2017 1:39:04 AM com.sun.messaging.jms.ra.ResourceAdapter start
INFO: MQJMSRA_RA1101: GlassFish MQ JMS Resource Adapter Started:REMOTE
Apr 04, 2017 1:39:04 AM com.sun.enterprise.connectors.util.SetMethodAction getMutatorMethod
WARNING: RAR8000 : The method setImqAddressList is not present in the class : com.sun.messaging.jms.ra.ManagedConnectionFactory
Apr 04, 2017 1:39:04 AM com.sun.enterprise.connectors.util.SetMethodAction run
WARNING: RAR7097: No setter method present for the property imqAddressList in the class com.sun.messaging.jms.ra.ManagedConnectionFactory
Apr 04, 2017 1:39:04 AM com.sun.enterprise.connectors.util.SetMethodAction getMutatorMethod
WARNING: RAR8000 : The method setImqAddressList is not present in the class : com.sun.messaging.jms.ra.ManagedConnectionFactory
Apr 04, 2017 1:39:04 AM com.sun.enterprise.connectors.util.SetMethodAction run
WARNING: RAR7097: No setter method present for the property imqAddressList in the class com.sun.messaging.jms.ra.ManagedConnectionFactory
Successfully connect to the JMS provider
```

   2. Three chatrooms created and sending public/private messages

2. The code segments are attached
    1. ChatClient.java
    2. ChatMessage.java
    3. ChatServer.java
    4. JMSHelper.java