Report Of Lab3&4

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## USAGE:

To start the project, you need to have jdk1.8 and maven installed. Then type ***mvn package***in command line to build the project.

**mvn exec:java@server**

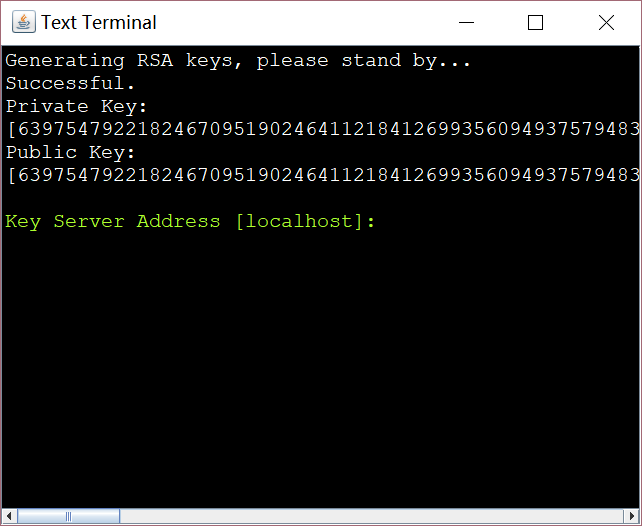
start the key server

**mvn exec:java@client**

start the client

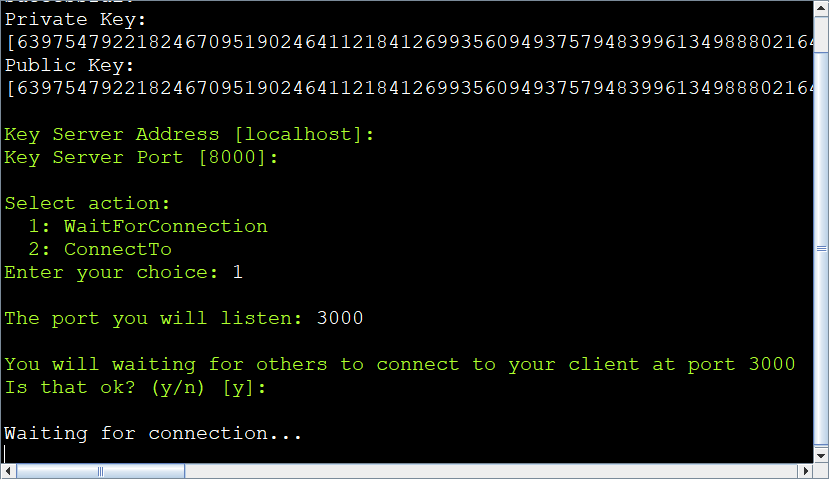
If you use windows, the client command may not work. Please click the **client.cmd** in project folder instead to run client.

Once you start client, you will see this:

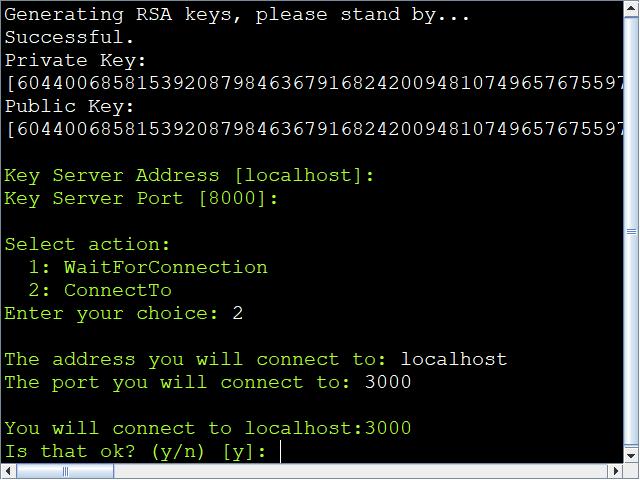


Just enter what it asks for.

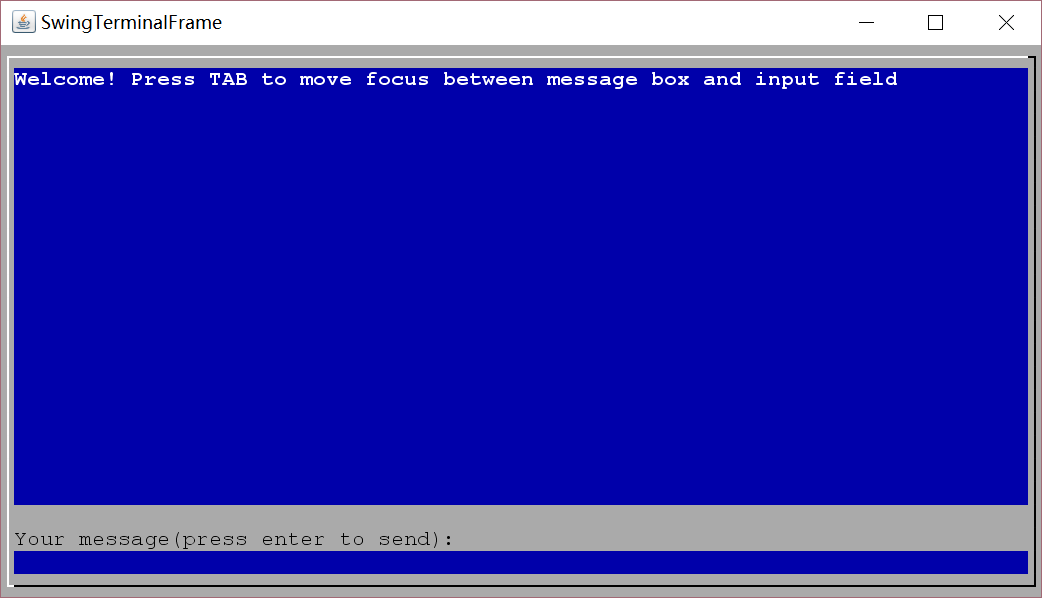
We select waiting for other to connect:



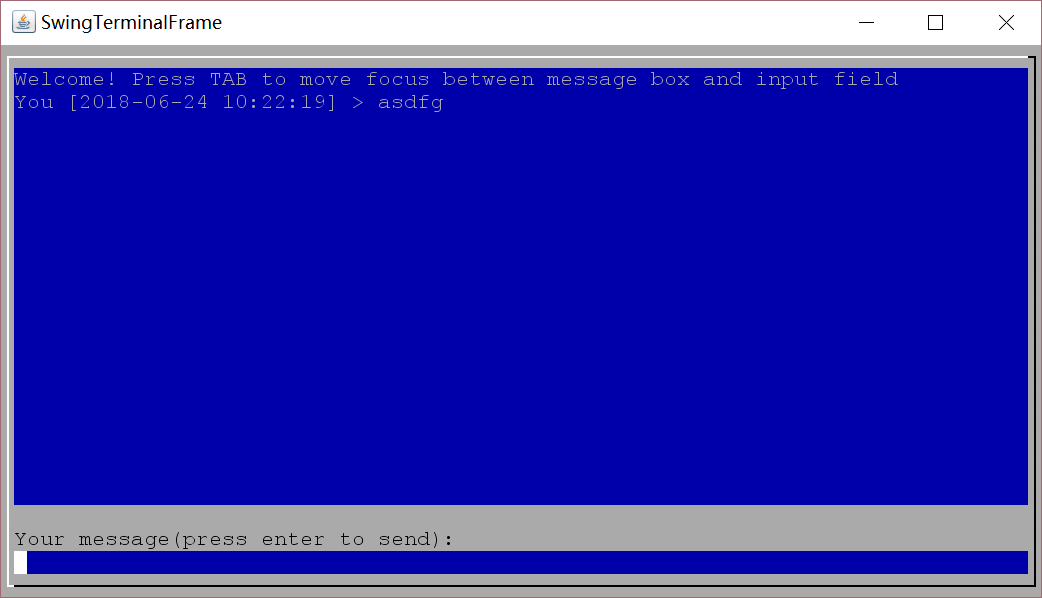
And we can open another client to connect to it.



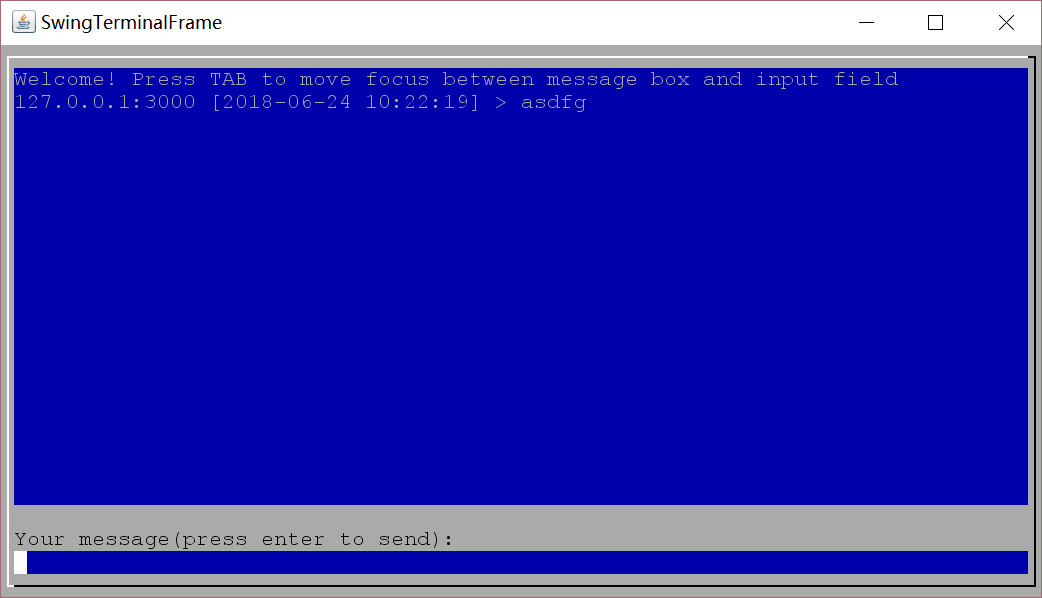
Then we get the chat room:



Send message:



In other client:



If the digital signature checks failed, it will display the message with an *(Unauthorized)* tag.

I’ve also packaged a binary file, you can start the server/client by clicking the cmd file in the binary folder. It only need jre installed.