Run the program：

1. start the glassfish

```
(base) phj@phjs-comp:~/software/glassfish4/bin$ ./asadmin start-domain
Waiting for domain1 to start ..
Successfully started the domain : domain1
domain  Location: /home/phj/software/glassfish4/glassfish/domains/domain1
Log File: /home/phj/software/glassfish4/glassfish/domains/domain1/logs/server.log
Admin Port: 4848
Command start-domain executed successfully.
```

2. setting the JMS

Edit JMS Connection Factory

Save Cancel

Editing a Java Message Service (JMS) connection factory also modifies the associated connector connection pool and connector resource.

Load Defaults

General Settings

JNDI Name:	jms/TestConnectionFactory
Logical JNDI Name:	
Resource Type:	javax.jms.ConnectionFactory
Description:	this is the test for T5
Status:	☑ **Enabled**

Pool Settings

Initial and Minimum Pool Size:	1 Connections Minimum and initial number of connections maintained in the pool
Maximum Pool Size:	250 Connections Maximum number of connections that can be created to satisfy client requests
Pool Resize Quantity:	2 Connections Number of connections to be removed when pool idle timeout expires
Idle Timeout:	300 Seconds Maximum time that connection can remain idle in the pool
Max Wait Time:	60000 Milliseconds Amount of time caller waits before connection timeout is sent
On Any Failure:	☐ **Close All Connections** Close all connections and reconnect on failure, otherwise reconnect only when used
Transaction Support:	Level of transaction support. Overwrite the transaction support attribute in the Resource Adapter in a downward compatible way.
Connection Validation:	☐ **Required** Validate connections, allow server to reconnect in case of failure

Additional Properties (0)

Add Property | Delete Properties

Select	Name	Value	Description
No items found.			

Destination Resources (2)

New... | Delete | Enable | Disable

Select	JNDI Name	Enabled	Resource Type	Description
☐	jms/TestQueue	✔	javax.jms.Queue	for T5
☐	jms/TestTopic	✔	javax.jms.Topic	for T5

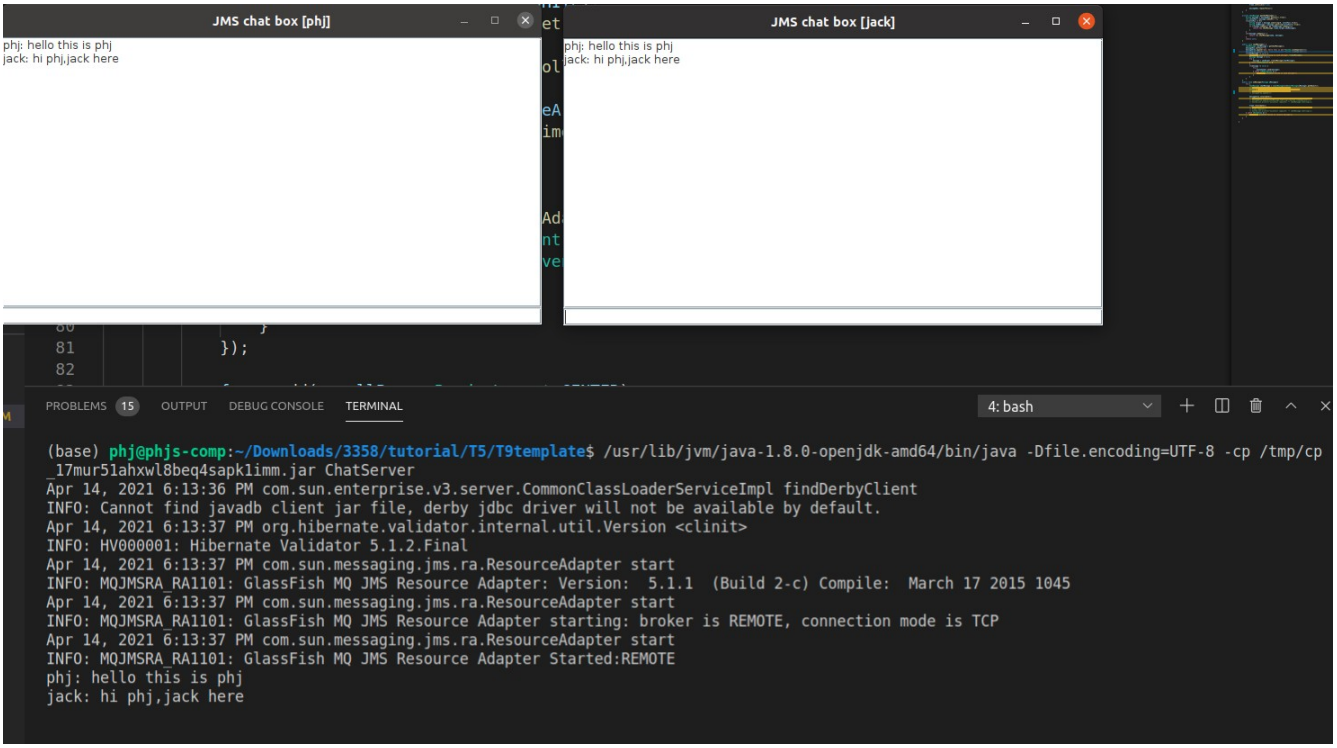
3. follow the instructions to change the code: check the program file

4. setting the environment in vscode

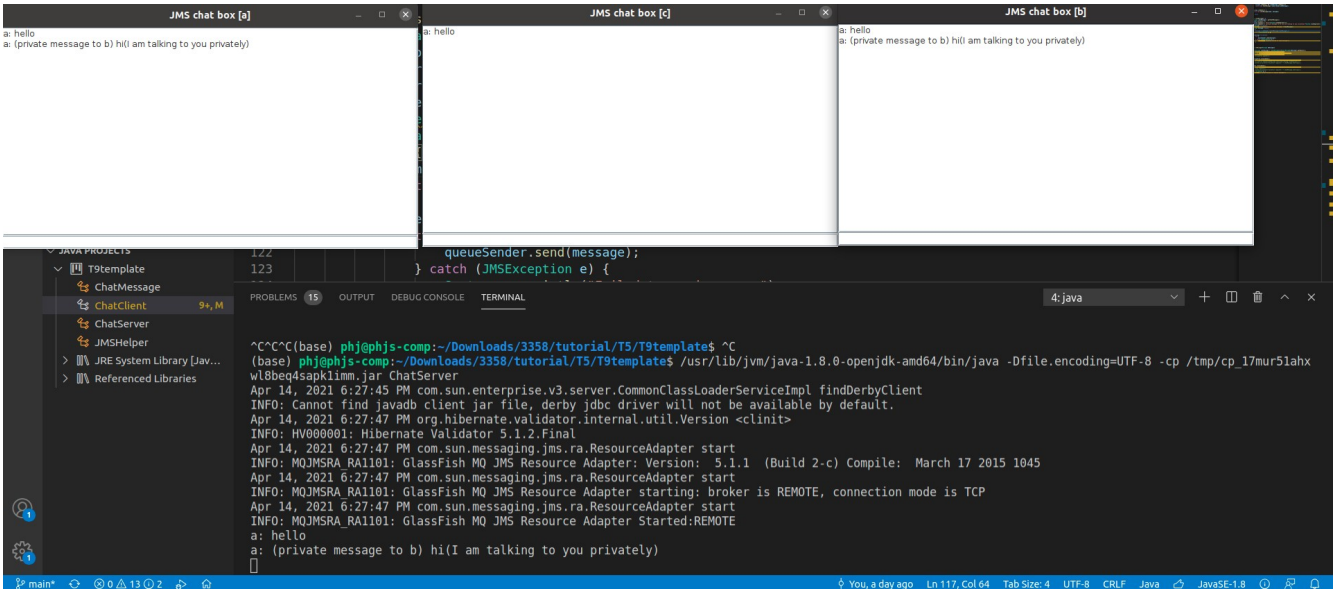
Some screenshot about the running program

1. login page:

2. Public version



3.Private version:



4. remote version

New values successfully saved.

JMS Hosts

The Java Message Service (JMS) host specifies the system where the JMS service is running. Click New to create a new JMS host. Click the name of a JMS host to modify its properties.

Configuration Name: default-config

Hosts (1)

New... | Delete

	Name	Host	Port
☐	default_JMS_host	0.0.0.0	${JMS_PROVIDER_PORT}

Edit JMS Connection Factory

Save Cancel

Editing a Java Message Service (JMS) connection factory also modifies the associated connector connection pool and connector resource.

Load Defaults

General Settings

JNDI Name: jms/TestConnectionFactory

Logical JNDI Name:

Resource Type: javax.jms.ConnectionFactory

Description: this is the test for T5

Status: ☑ **Enabled**

Pool Settings

Initial and Minimum Pool Size: 1 Connections
Minimum and initial number of connections maintained in the pool

Maximum Pool Size: 250 Connections
Maximum number of connections that can be created to satisfy client requests

Pool Resize Quantity: 2 Connections
Number of connections to be removed when pool idle timeout expires

Idle Timeout: 300 Seconds
Maximum time that connection can remain idle in the pool

Max Wait Time: 60000 Milliseconds
Amount of time caller waits before connection timeout is sent

On Any Failure: ☐ **Close All Connections**
Close all connections and reconnect on failure, otherwise reconnect only when used

Transaction Support:
Level of transaction support. Overwrite the transaction support attribute in the Resource Adapter in a downward compatible way.

Connection Validation: ☐ **Required**
Validate connections, allow server to reconnect in case of failure

Additional Properties (1)

Add Property | Delete Properties

Select	Name	Value	Description
☐	imqAddressList	10.66.65	