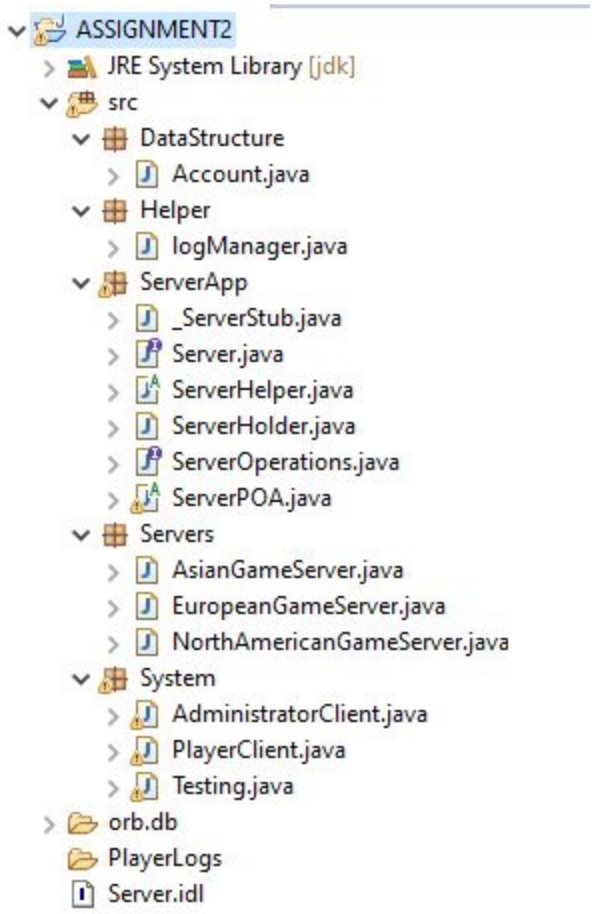
1.Description of the files in the Folder



Server.idl: It is a CORBA IDL interface file written in Interface Definition Language.

System Package contains the

1. AdminstratorClient console for the admins.
2. PlayerClient console for the players.
3.Testing console for testing the application.

Servers Package contains the

1. NorthAmericanGameServer deals with these132.xxx.xxx.xxx IP'S.
2. EuropeanameServer deals with these 93.xxx.xxx.xxx IP'S
3. AsianGameServer deals with these 182.xxx.xxx.xxx IP'S.

Helper Package contains the

logManager deals with the logging.

DataStructure Package contains the

Account holds the blueprint of the structure.

ServerApp Package contains the

ServerOperations.java: It contains all the methods from the Server.idl file.

Server.java: It is a java interface file which extends ServerOperations.java and CORBA classes(org.omg.CORBA.Object, org.omg.CORBA.portable.IDLEntity)

ServerHelper.java: It contains a narrow method,which casts the CORBA object reference to the corresponding java type.So it can operate on using the syntax of the java object.

ServerHolder.java: It contains a reference to an object that implements the Server interface.

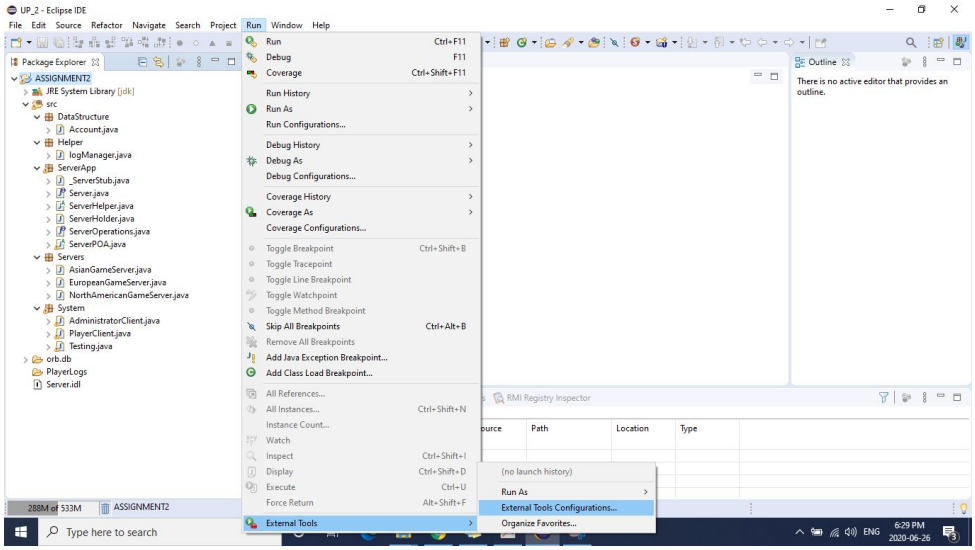
_ServerStub.java: It is the stub file, the client-side proxy, which interfaces with the client object.It extends org.omg.CORBA.portable.ObjectImpl and implements the Server.java interface.

ServerPOA.java: It is a skeleton, the server-side proxy, combined with the portable object adapter.It extends org.omg.PortableServer.Servant, and implements the InvokeHandler interface and the HelloOperations interface.

2.Set up the project

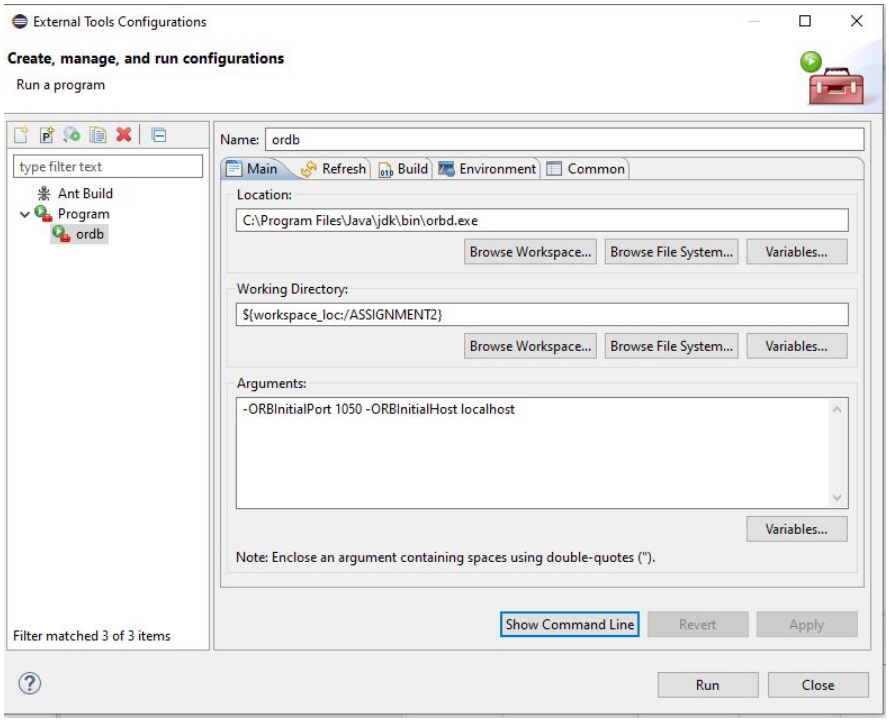
Please follow below steps:

A.Click on the run tab,Hover External tools

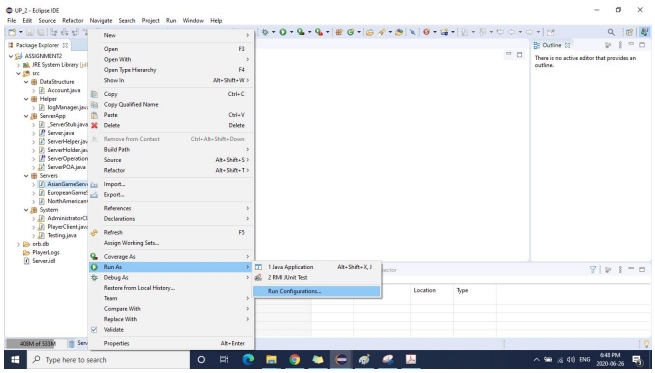


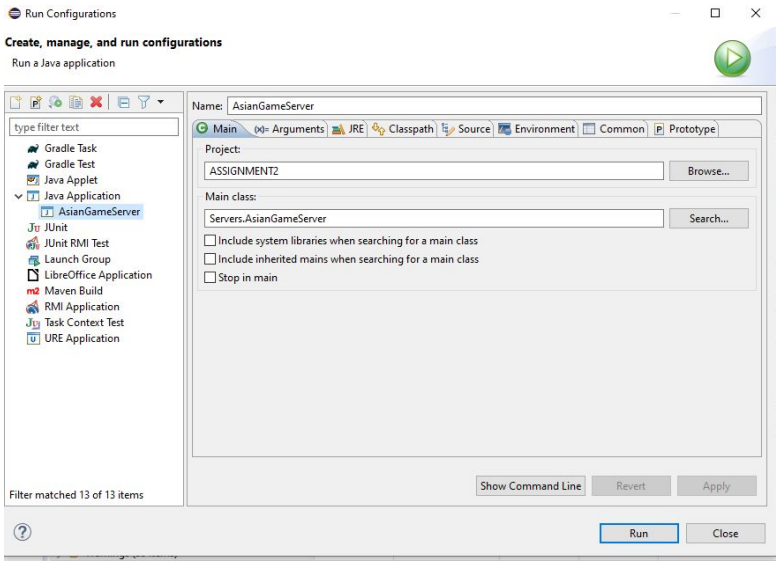
C.Select External tool configuration

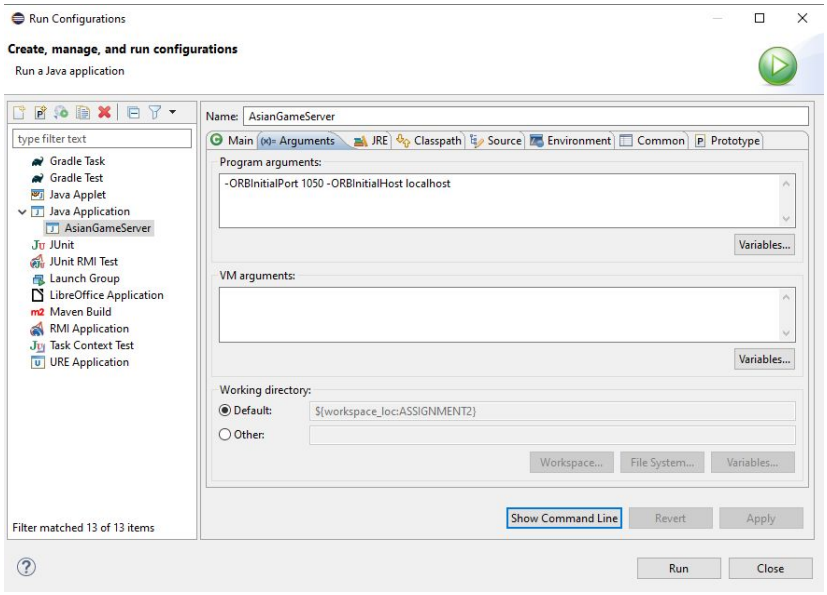
D.Create ordb configuration with the details as in the screenshot.



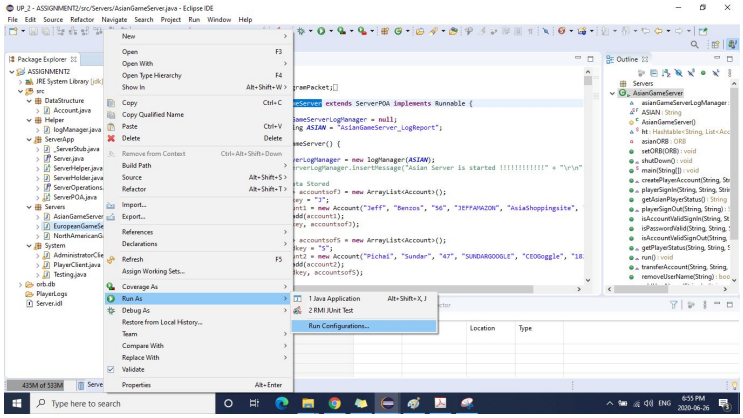
E.Right Click on AsianGameServer.java.Select run configuration and create as below.

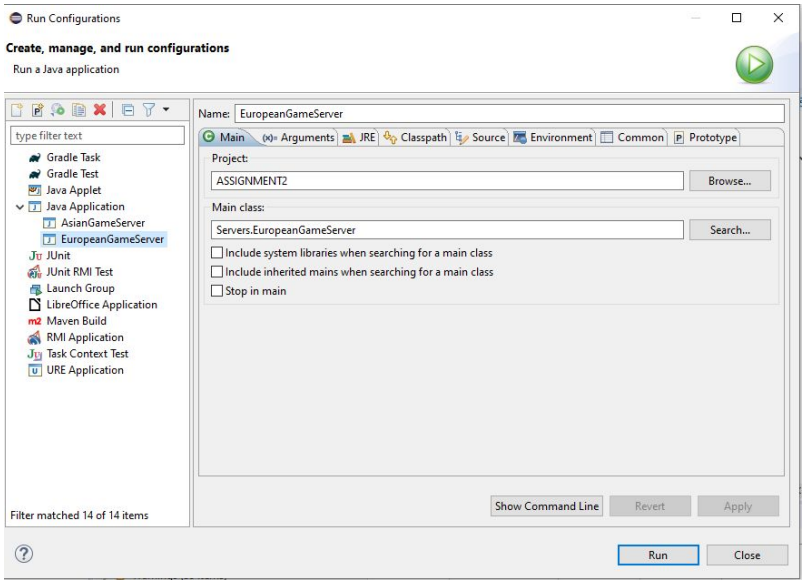


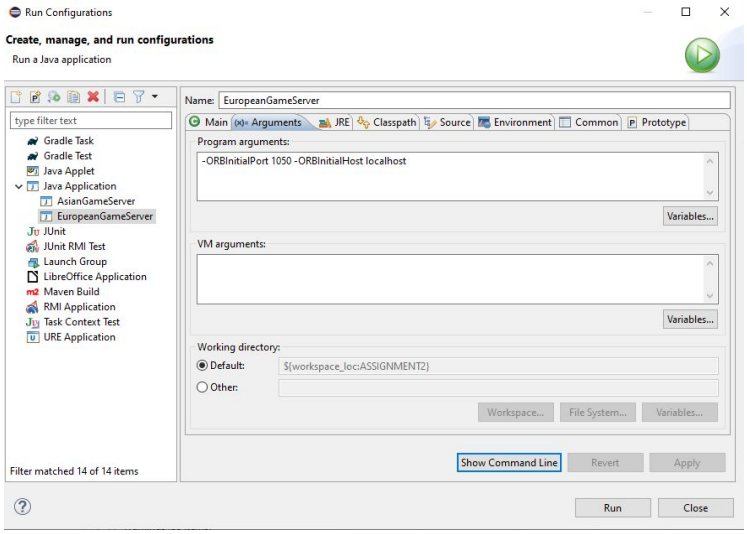




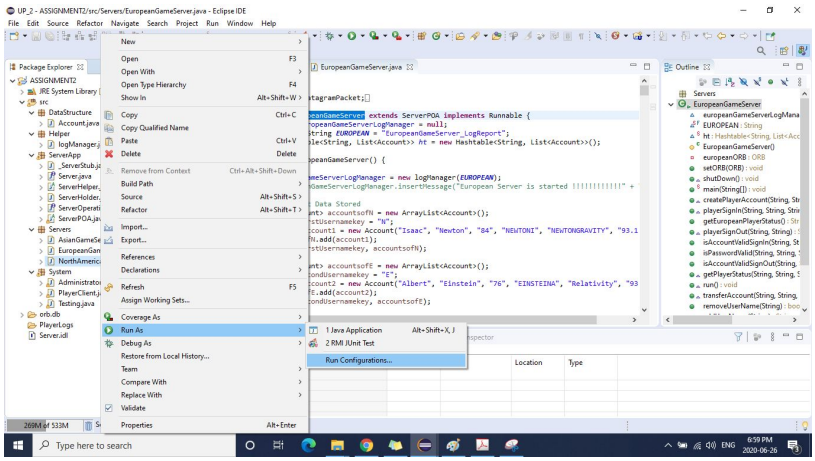
F.Right Click on EuropeanGameServer.java.Select run configuration and create as below.

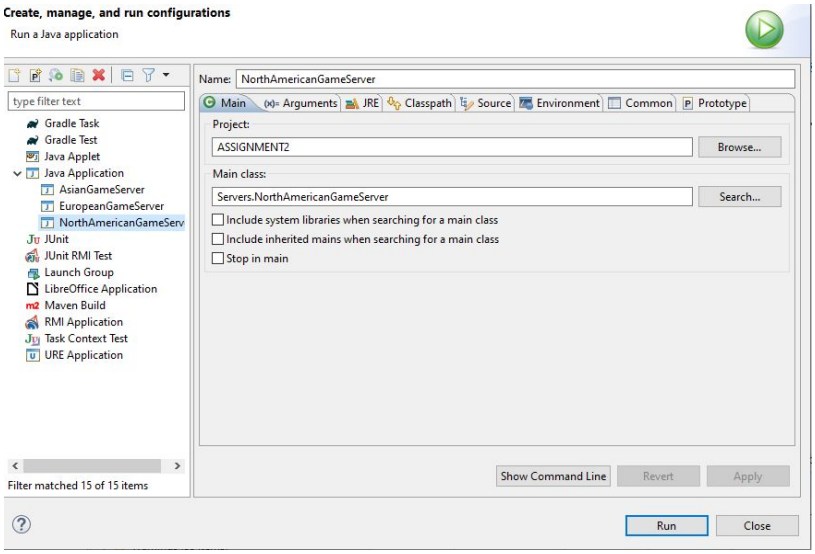


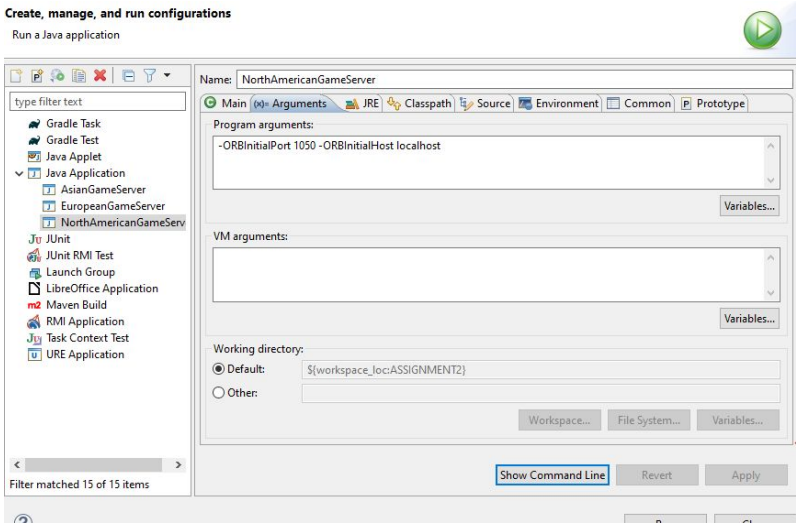




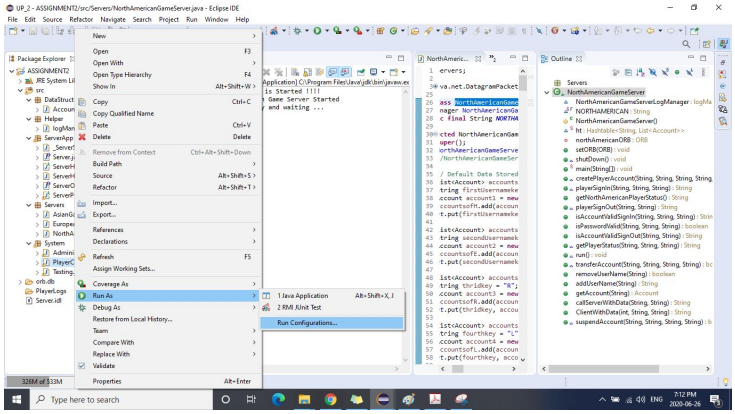
G.Right Click on NorthAmericanGameServer.java.Select run configuration and create as below.

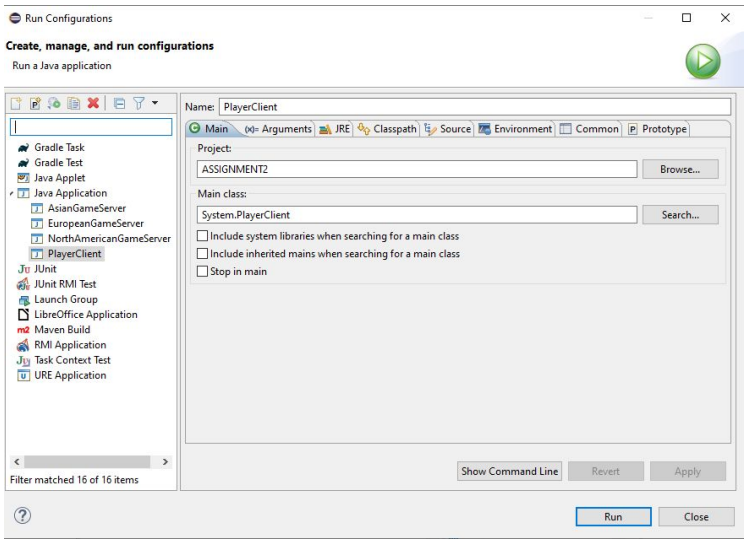


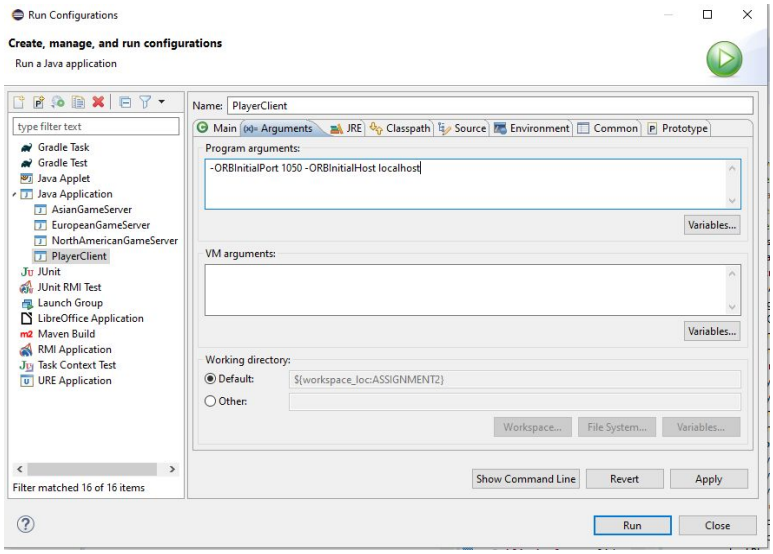




H.Right Click on PlayerClient.java.Select run configuration and create as below.





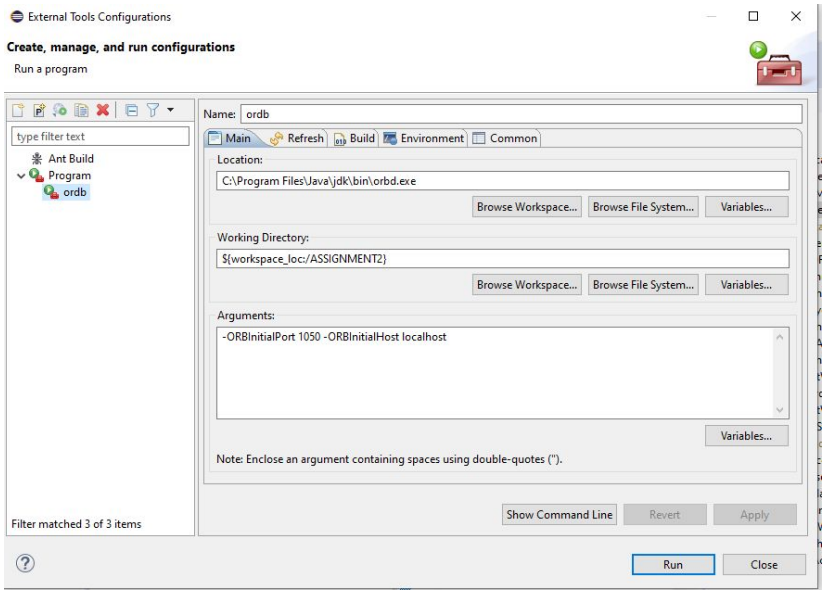


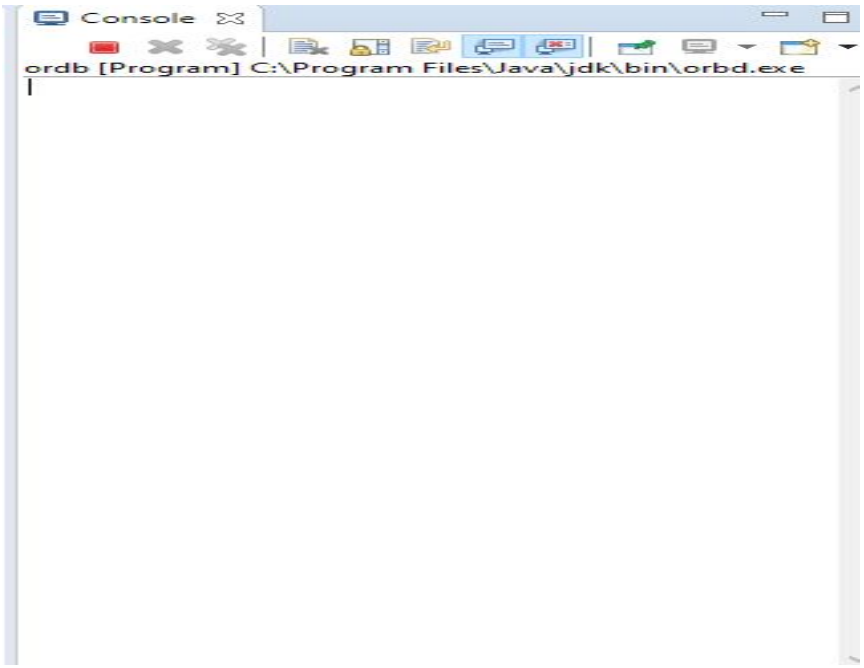
I.Do same for AdministratorClient,Tester.java

3.Run the project

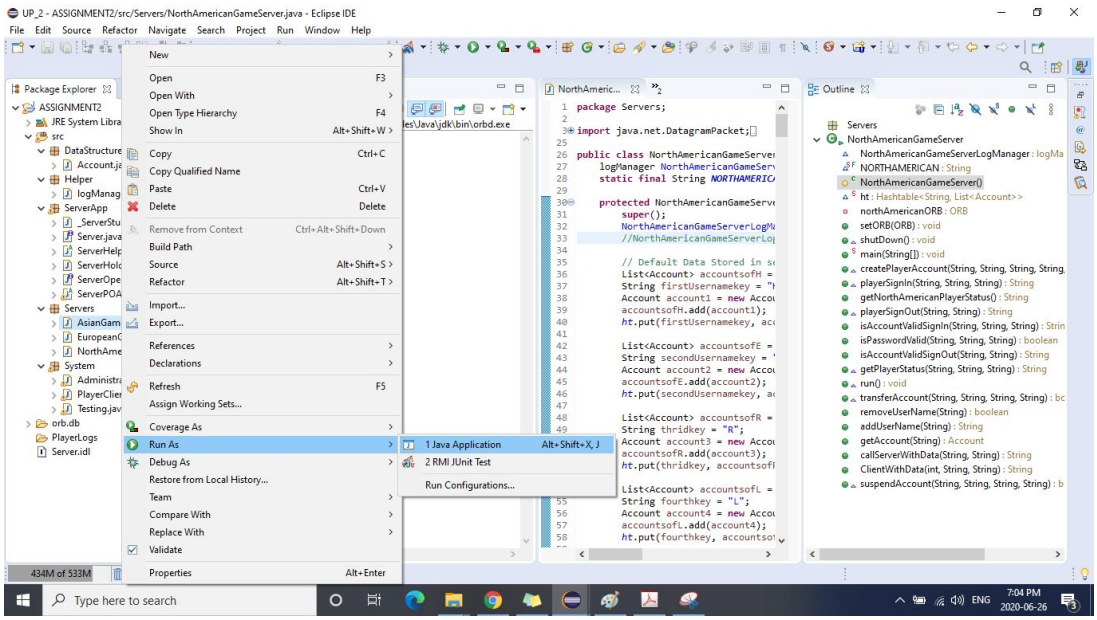
Please follow below steps:

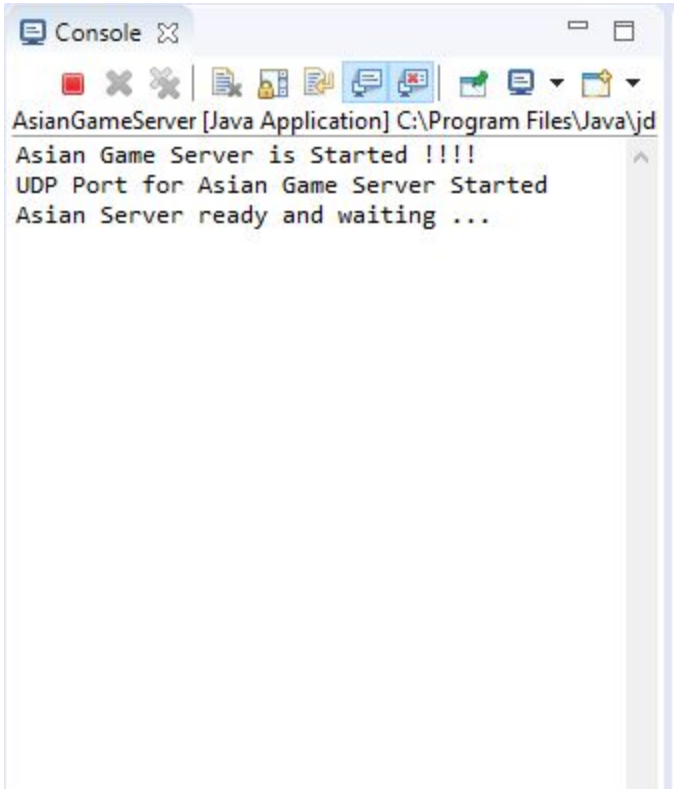
A.Run ordb



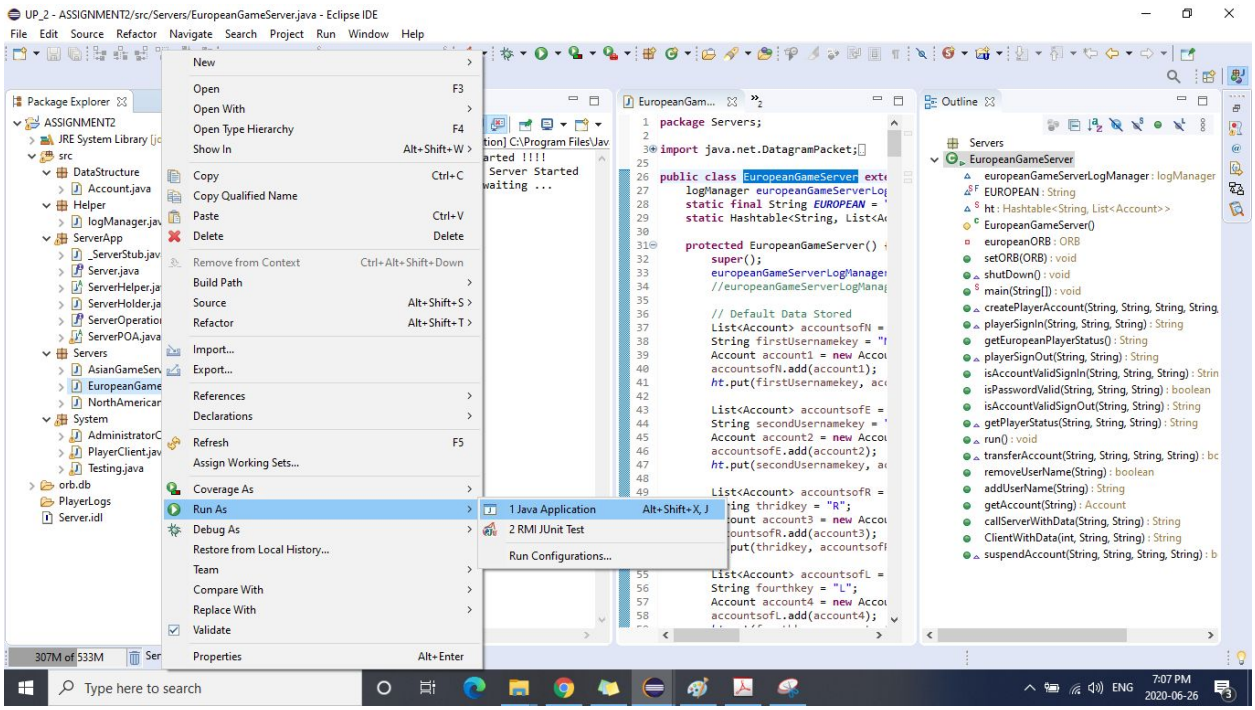


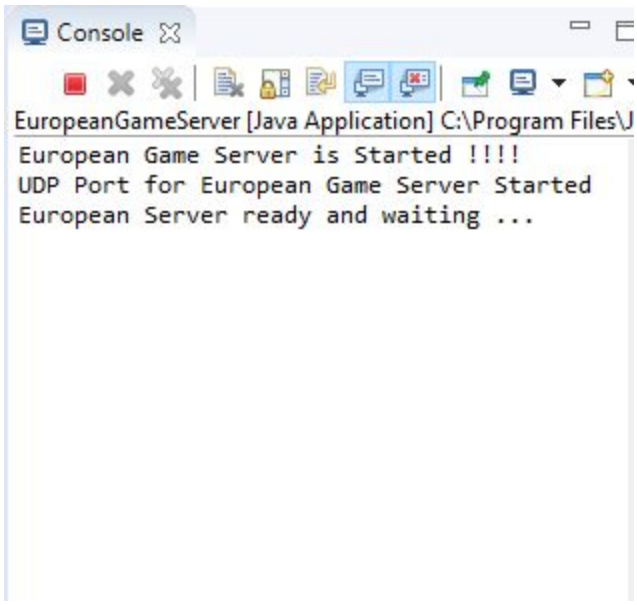
B.Run AsianGameServer as below



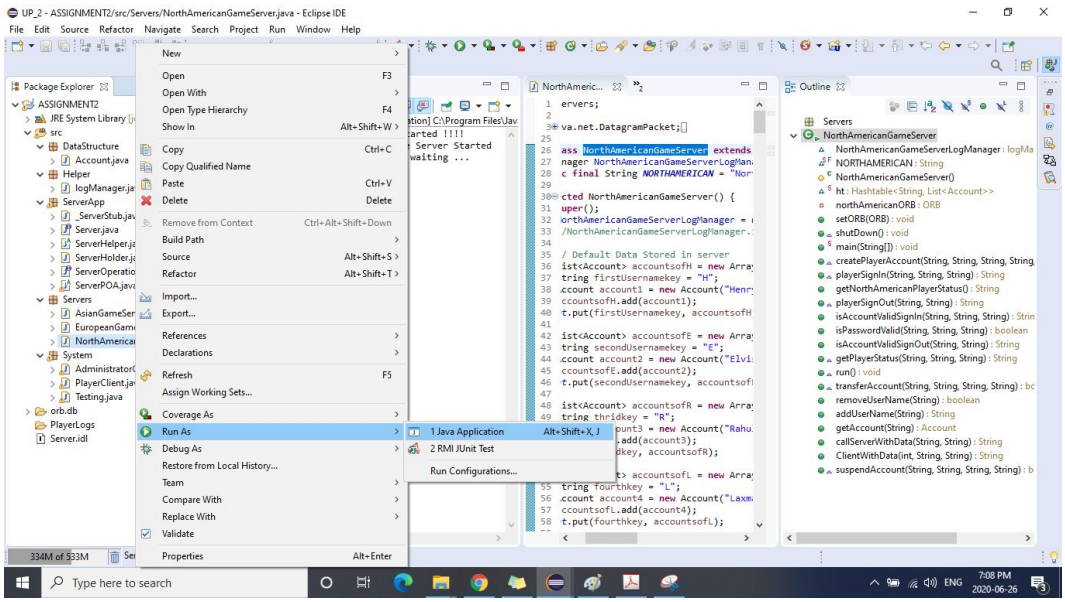


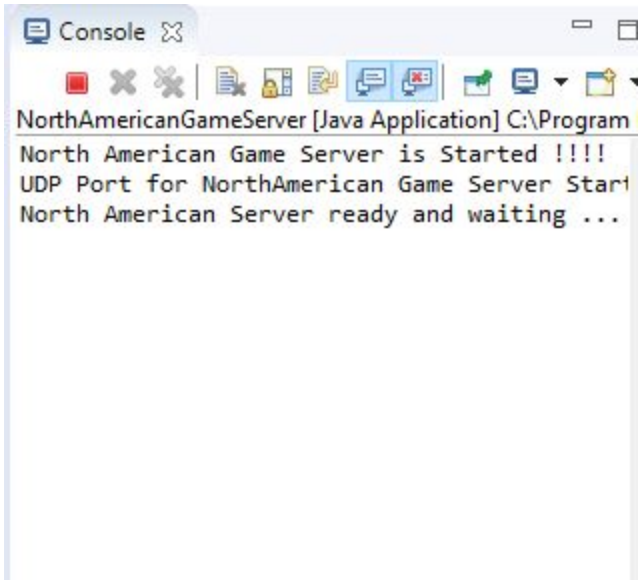
B.Run EuropeanGameServer as below



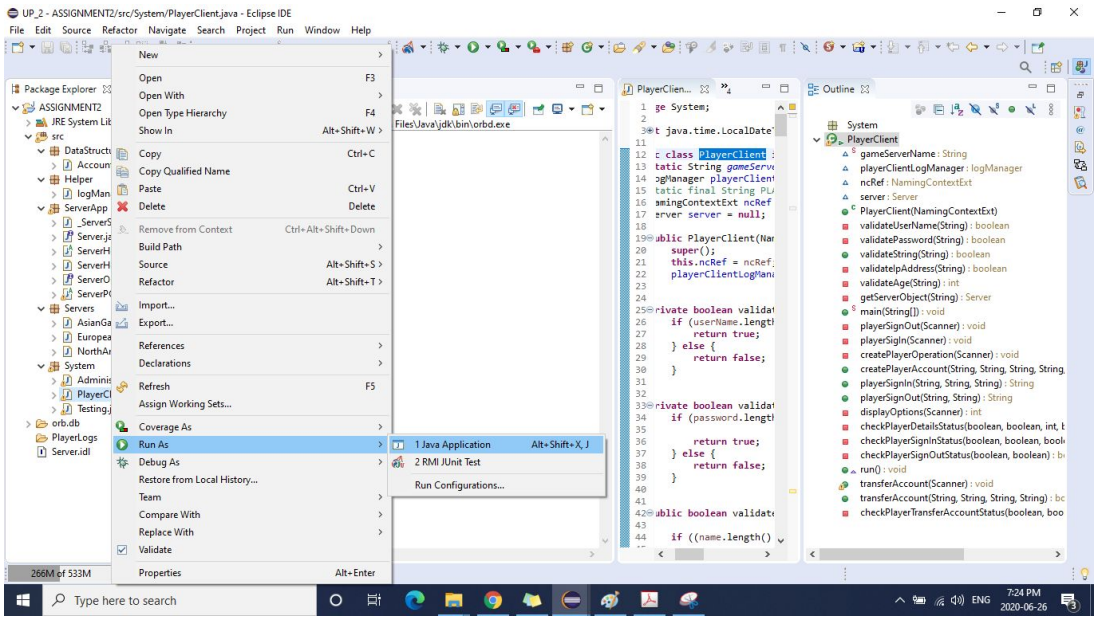


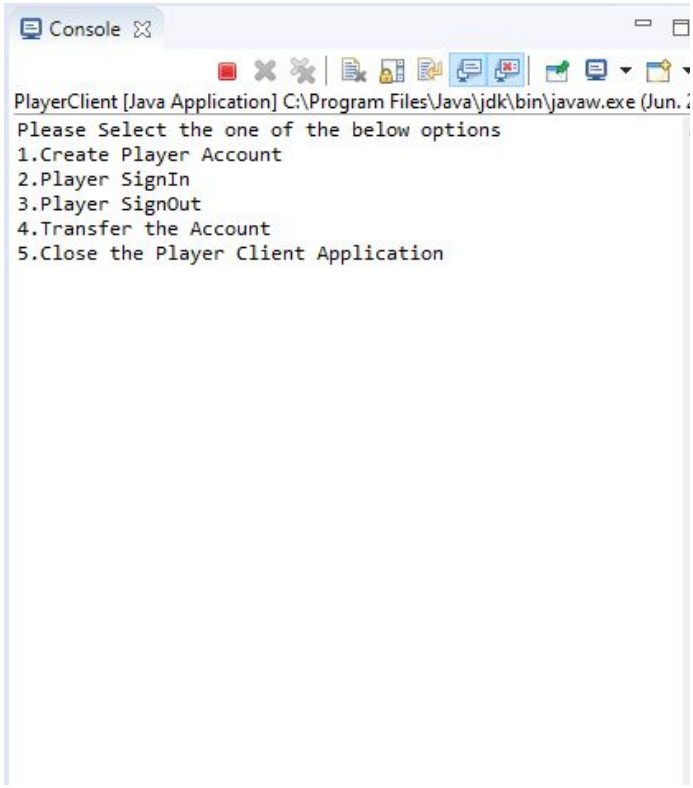
C.Run NorthAmericanGameServer as below



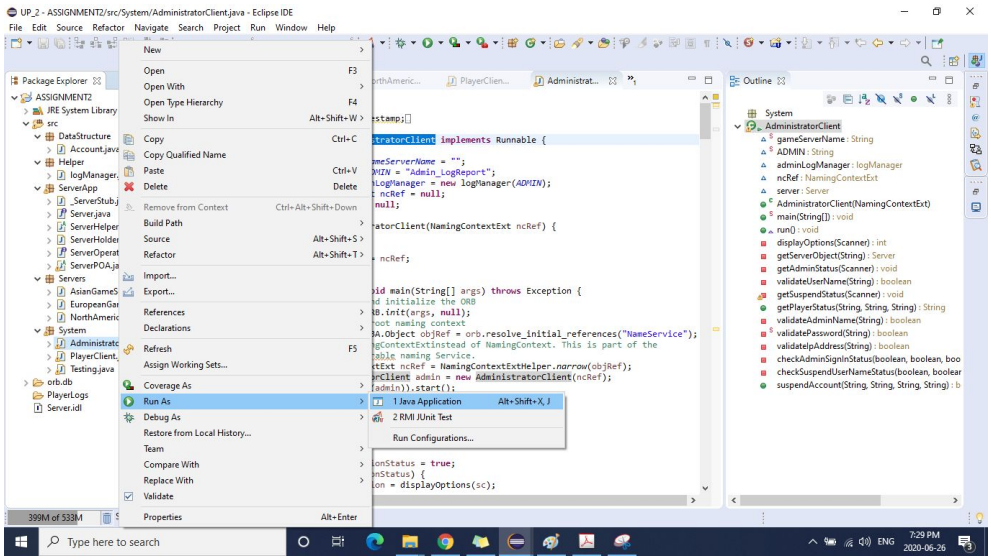


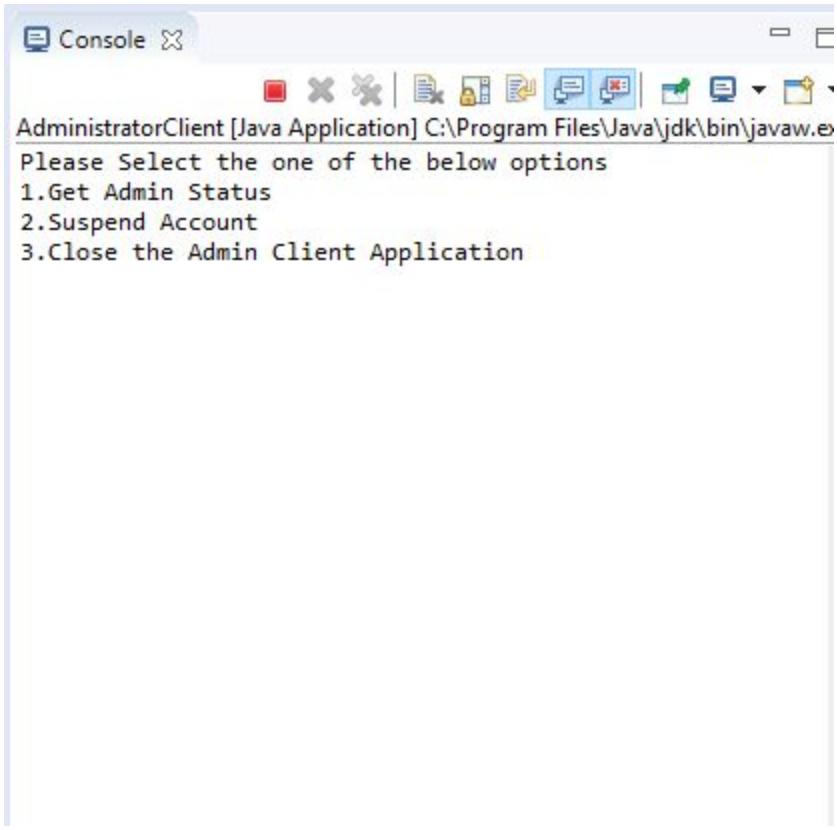
D.Run PlayerClient as below





E.Run AdministratorClient as below





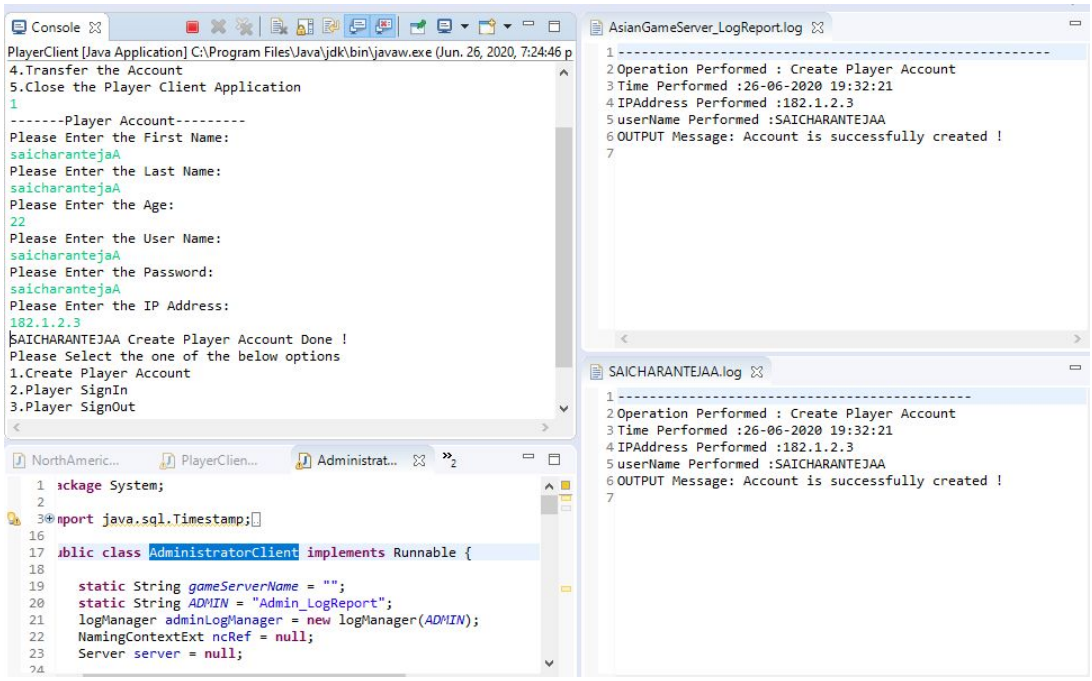
4.Testing

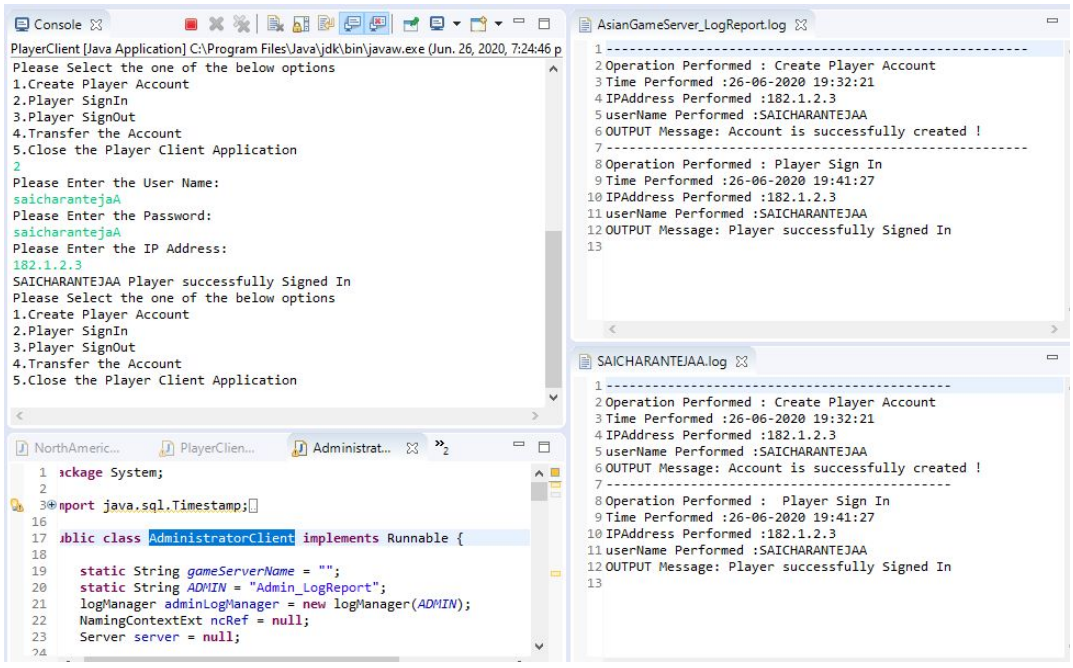
All the docs are inTestCases_Proofs

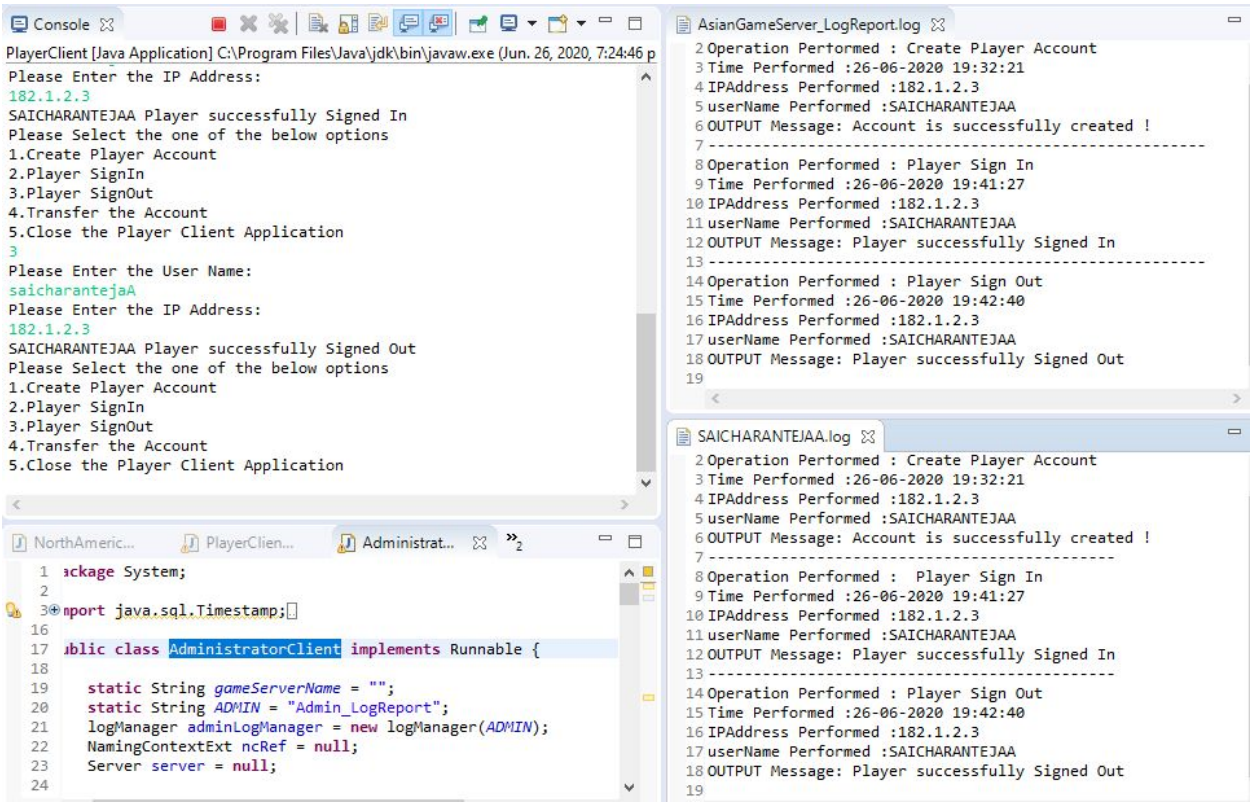
Screenshots in TestCases_Proof.pdf

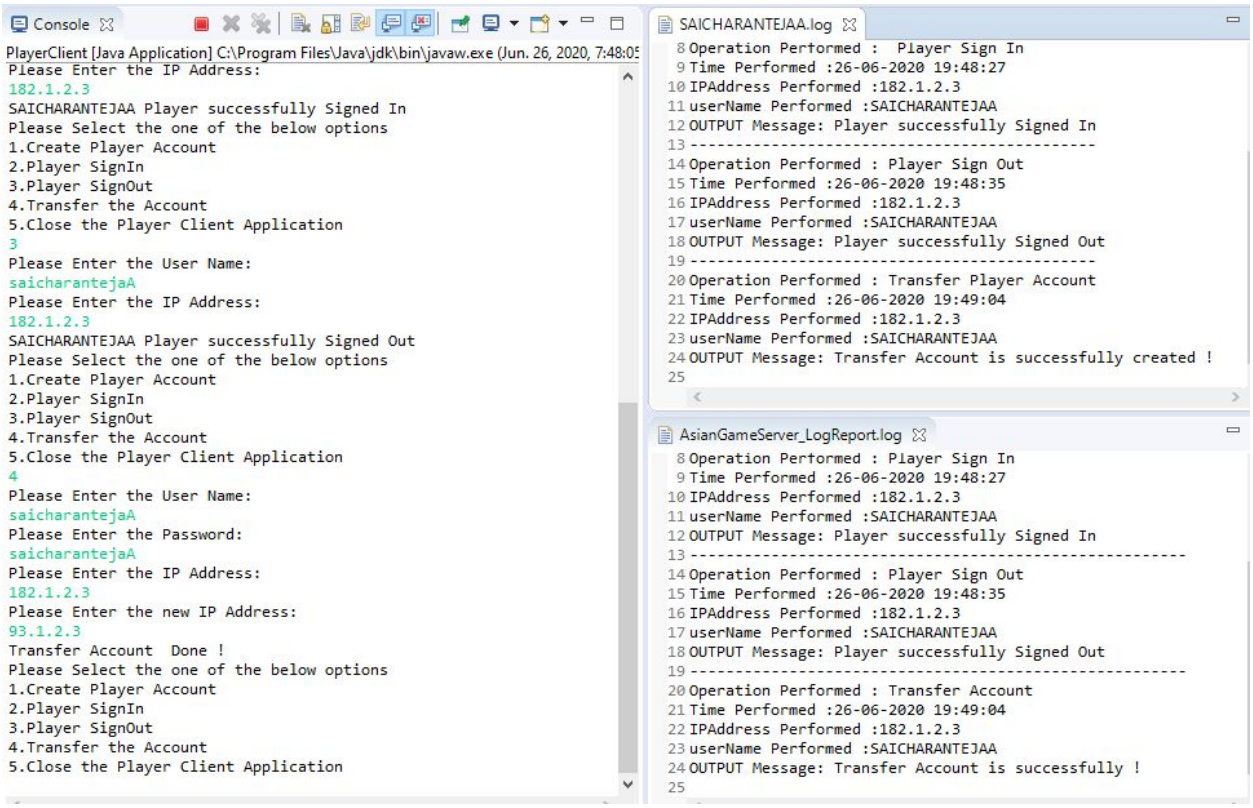
Logs of player in PlayerLogs folder

5.Manual Testing for player

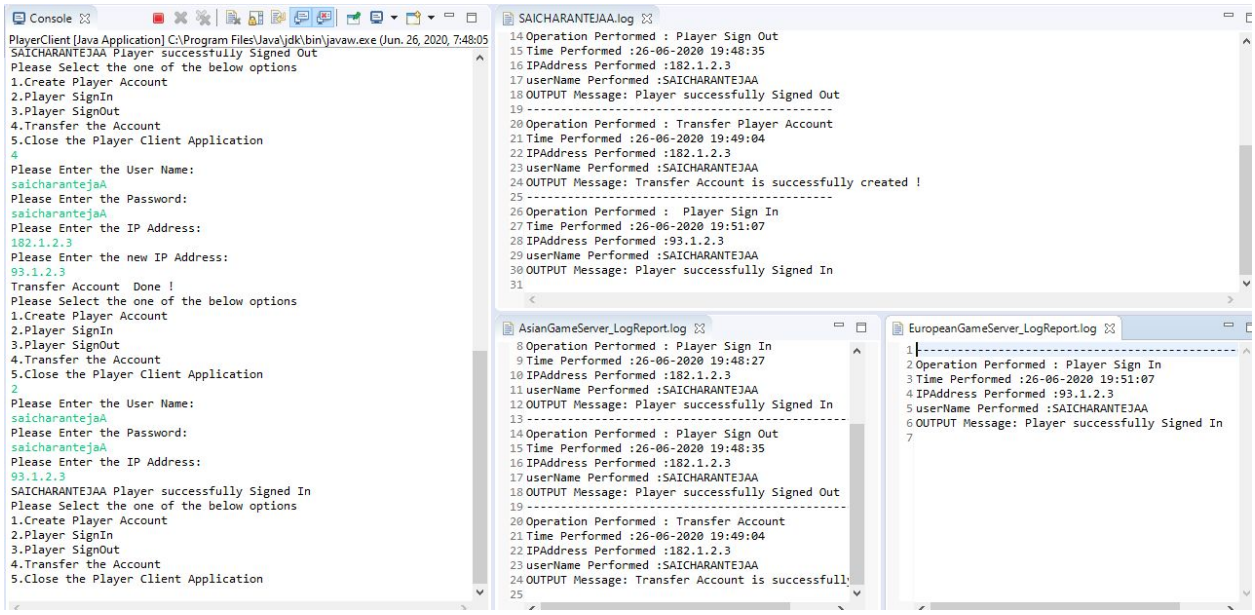




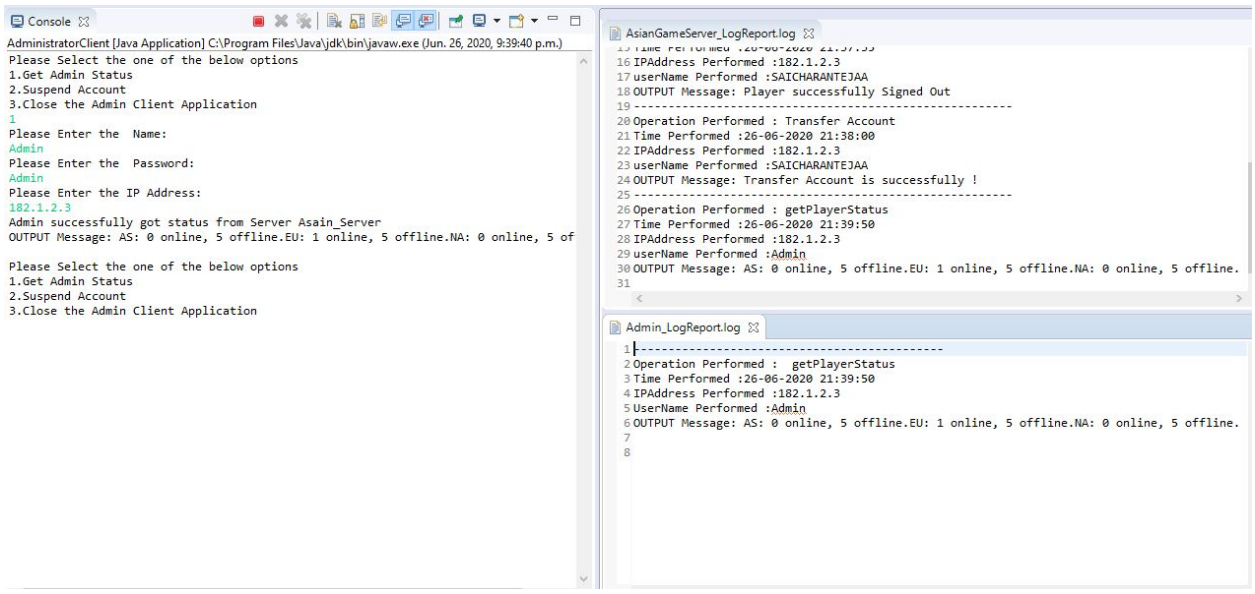

Console
PlayerClient [Java Application] C:\Program Files\Java\jdk\bin\javaw.exe (Jun. 26, 2020, 7:24:46 p
Please Enter the IP Address:
182.1.2.3
SAICHARANTEJAA Player successfully Signed In
Please Select the one of the below options
1.Create Player Account
2.Player SignIn
3.Player SignOut
4.Transfer the Account
5.Close the Player Client Application
3
Please Enter the User Name:
saicharantejaA
Please Enter the IP Address:
182.1.2.3
SAICHARANTEJAA Player successfully Signed Out
Please Select the one of the below options
1.Create Player Account
2.Player SignIn
3.Player SignOut
4.Transfer the Account
5.Close the Player Client Application
NorthAmeric...
PlayerClien...
Administrat...
ackage System;
nport java.sql.Timestamp;
ublic class AdministratorClient implements Runnable {
static String gameServerName = "";
static String ADMIN = "Admin_LogReport";
logManager adminLogManager = new logManager(ADMIN);
NamingContextExt ncRef = null;
Server server = null;
AsianGameServer_LogReport.log
Operation Performed : Create Player Account
Time Performed :26-06-2020 19:32:21
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Account is successfully created !
Operation Performed : Player Sign In
Time Performed :26-06-2020 19:41:27
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed In
Operation Performed : Player Sign Out
Time Performed :26-06-2020 19:42:40
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed Out
SAICHARANTEJAA.log
Operation Performed : Create Player Account
Time Performed :26-06-2020 19:32:21
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Account is successfully created !
Operation Performed : Player Sign In
Time Performed :26-06-2020 19:41:27
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed In
Operation Performed : Player Sign Out
Time Performed :26-06-2020 19:42:40
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed Out

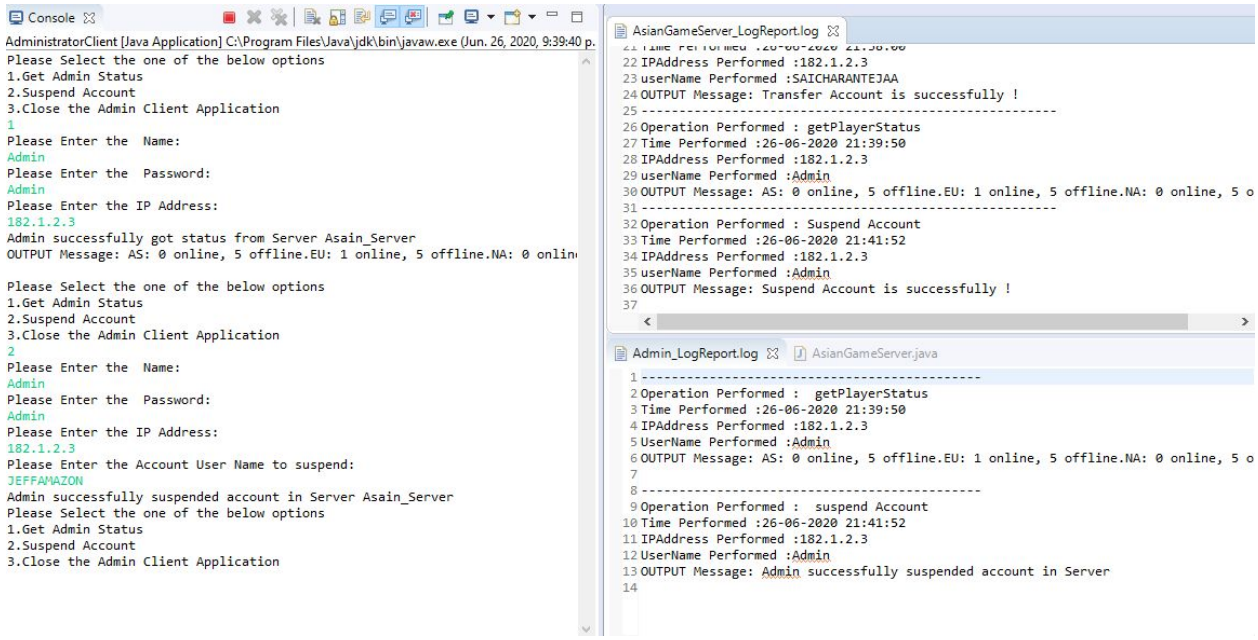

Console
PlayerClient [Java Application] C:\Program Files\Java\jdk\bin\javaw.exe (Jun. 26, 2020, 7:48:05
Please Enter the IP Address:
182.1.2.3
SAICHARANTEJAA Player successfully Signed In
Please Select the one of the below options
1.Create Player Account
2.Player SignIn
3.Player SignOut
4.Transfer the Account
5.Close the Player Client Application
3
Please Enter the User Name:
saicharantejaA
Please Enter the IP Address:
182.1.2.3
SAICHARANTEJAA Player successfully Signed Out
Please Select the one of the below options
1.Create Player Account
2.Player SignIn
3.Player SignOut
4.Transfer the Account
5.Close the Player Client Application
4
Please Enter the User Name:
saicharantejaA
Please Enter the Password:
saicharantejaA
Please Enter the IP Address:
182.1.2.3
Please Enter the new IP Address:
93.1.2.3
Transfer Account Done !
Please Select the one of the below options
1.Create Player Account
2.Player SignIn
3.Player SignOut
4.Transfer the Account
5.Close the Player Client Application
SAICHARANTEJAA.log
Operation Performed : Player Sign In
Time Performed :26-06-2020 19:48:27
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed In
Operation Performed : Player Sign Out
Time Performed :26-06-2020 19:48:35
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed Out
Operation Performed : Transfer Player Account
Time Performed :26-06-2020 19:49:04
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Transfer Account is successfully created !
AsianGameServer_LogReport.log
Operation Performed : Player Sign In
Time Performed :26-06-2020 19:48:27
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed In
Operation Performed : Player Sign Out
Time Performed :26-06-2020 19:48:35
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Player successfully Signed Out
Operation Performed : Transfer Account
Time Performed :26-06-2020 19:49:04
IPAddress Performed :182.1.2.3
userName Performed :SAICHARANTEJAA
OUTPUT Message: Transfer Account is successfully !

Check transfer account in new Ip Address



6.Manual Testing for Admin





Logs are placed in Manual Testing Proof Logs Folder