MutualServer.java

import **java**.**io**.\*;

import **java**.**net**.\*;

public class **MutualServer** implements **Runnable**

{

**Socket** socket=null;

static **ServerSocket** ss;

**MutualServer**(**Socket** newSocket)

{

this.socket=newSocket;

}

public static void **main**(**String** args[]) throws **IOException**

{

ss=new **ServerSocket**(7000);

**System**.out.**println**("Server Started");

while(true)

{

**Socket** s=ss.**accept**();

**MutualServer** es=new **MutualServer**(s);

**Thread** t=new **Thread**(es);

t.**start**();

}

}

public void **run**()

{

try

{

**BufferedReader** in=new **BufferedReader**(new **InputStreamReader**(socket.**getInputStream**()));

while(true)

{

**System**.out.**println**(in.**readLine**());

}

}

catch(**Exception** e){ }

}

}

ClientOne.java

import **java**.**io**.\*;

import **java**.**net**.\*;

public class **ClientOne**

{

public static void **main**(**String** args[])throws **IOException**

{

**Socket** s=new **Socket**("localhost",7000);

**PrintStream** out =new **PrintStream**(s.**getOutputStream**());

**ServerSocket** ss=new **ServerSocket**(7001);

**Socket** s1=ss.**accept**();

**BufferedReader** in1=new **BufferedReader**(new **InputStreamReader**(s1.**getInputStream**()));

**PrintStream** out1=new **PrintStream**(s1.**getOutputStream**());

**BufferedReader** br=new **BufferedReader**(new **InputStreamReader**(**System**.in));

**String** str="Token";

while (true)

{

if(str.**equalsIgnoreCase**("Token"))

{

**System**.out.**println**("Do u want to send some data");

**System**.out.**println**("Enter Yes or No");

str=br.**readLine**();

if(str.**equalsIgnoreCase**("Yes"))

{

**System**.out.**println**("Enter the Data");

str=br.**readLine**();

out.**println**(str);

}

out1.**println**("Token");

}

**System**.out.**println**("Waiting for Token");

str=in1.**readLine**();

}

}

}

ClientTwo.java

import **java**.**io**.\*;

import **java**.**net**.\*;

public class **ClientTwo**

{

public static void **main**(**String** args[])throws **IOException**

{

**Socket** s=new **Socket**("localhost",7000);

**PrintStream** out =new **PrintStream**(s.**getOutputStream**());

**Socket** s2=new **Socket**("localhost",7001);

**BufferedReader** in2=new **BufferedReader**(new **InputStreamReader**(s2.**getInputStream**()));

**PrintStream** out2=new **PrintStream**(s2.**getOutputStream**());

**BufferedReader** br=new **BufferedReader**(new **InputStreamReader**(**System**.in));

**String** str;

while (true)

{

**System**.out.**println**("Waiting for Token");

str=in2.**readLine**();

if(str.**equalsIgnoreCase**("Token"))

{

**System**.out.**println**("Do u want to send some data");

**System**.out.**println**("Enter Yes or No");

str=br.**readLine**();

if(str.**equalsIgnoreCase**("Yes"))

{

**System**.out.**println**("Enter the Data");

str=br.**readLine**();

out.**println**(str);

}

out2.**println**("Token");

}

}

}

}

