AddClient.java

import java.rmi.\*;

import java.io.\*;

public class AddClient

{

public static void main(String args[])

{

try

{

DataInputStream d=new DataInputStream(System.in);

source1 s1=(source1)Naming.lookup("rmi://localhost/obj1");

System.out.println("Input of factorial:");

int n=Integer.parseInt(d.readLine());

System.out.println("Input for fibonacci series:");

int n1=Integer.parseInt(d.readLine());

System.out.println("The result of factorial is "+s1.fact(n));

System.out.println("The result of fibonacci is "+s1.fibo(n1));

}

catch(Exception e)

{

System.out.println(e);

}

}

}

AddServer.java

import java.net.\*;

import java.rmi.\*;

public class AddServer

{

public static void main(String args[])

{

System.out.println("SERVER STARTED");

try

{

source2 s2=new source2();

Naming.rebind("obj1",s2);

}

catch(Exception e)

{

System.out.println("Exception="+e);

}

}

}

AddImplementation.java

import java.rmi.\*;

import java.rmi.server.\*;

public class AddImplementation extends UnicastRemoteObject implements AddInterface

{

public AddImplementation(int n)throws RemoteException

{

}

public int factorial(int n)throws RemoteException

{

int fact=1;

for(int i=1;i<=n;i++)

{

fact\*=i;

}

return (fact);

}

public String fibonacci(int n)throws RemoteException

{

int a,b,c;

String s="";

a=-1;

b=1;

for(int i=1;i<=n;i++)

{

c=a+b;

s=s+""+String.valueOf(c);

a=b;

b=c;

}

return(s);

}

}

AddInterface.java

import java.rmi.\*;

public interface AddInterface extends Remote

{

int factorial(int n)throws RemoteException;

String fibonacci(int n) throws RemoteException;

}

Source1.java

import java.rmi.\*;

public interface source1 extends Remote

{

int fact(int n)throws RemoteException;

String fibo(int n) throws RemoteException;

}

Source2.java

import java.rmi.\*;

import java.rmi.server.\*;

public class source2 extends UnicastRemoteObject implements source1

{

public source2()throws RemoteException

{

}

public int fact(int n)throws RemoteException

{

int f=1;

for(int i=1;i<=n;i++)

{

f\*=i;

}

return (f);

}

public String fibo(int n)throws RemoteException

{

int a,b,c;

String s="";

a=-1;

b=1;

for(int i=1;i<=n;i++)

{

c=a+b;

s=s+""+String.valueOf(c);

a=b;

b=c;

}

return(s);

}

}