Practical No 03

Title :Study and implement concept of Remote Method Invocation (Addition)

Name: Abhishek.U.Jakkal

Roll-No: MC16F14F001

**AddServerIntf.java**

importjava.rmi.\*;

public interface AddServerIntf extends Remote{

double add(double d1,double d2)throws RemoteException;

}

**AddServerImpl.java**

importjava.rmi.\*;

importjava.rmi.server.\*;

public class AddServerImpl extends UnicastRemoteObject implements AddServerIntf {

publicAddServerImpl()throws RemoteException{}

public double add(double d1, double d2)throws RemoteException

{

return d1+d2;

}

}

**AddServer.java**

import java.net.\*;

importjava.rmi.\*;

public class AddServer {

public static void main(String[] args) {

try

{

AddServerImpladdserverimpl=new AddServerImpl();

Naming.rebind("AddServer",addserverimpl);

}

catch(Exception e)

{

System.out.println(e);

}

}

}

**AddClient.java**

importjava.rmi.\*;

public class AddClient {

public static void main(String[] args) {

try

{

String addserverURL="rmi://"+args[0]+"/AddServer";

AddServerIntfaddserverIntf=(AddServerIntf)

Naming.lookup(addserverURL);

System.out.println("1st Number"+args[1]);

Double d1=Double.valueOf(args[1]).doubleValue();

System.out.println("2st Number"+args[2]);

Double d2=Double.valueOf(args[2]).doubleValue();

System.out.println("Sum is "+addserverIntf.add(d1, d2));

}

catch(Exception e)

{

System.out.println(e);

}

}

}

**Output:**

E:\PROGRAM\COLLEGE\Networkinng>javac \*.java

E:\PROGRAM\COLLEGE\Networkinng>rmic AddServerImpl

E:\PROGRAM\COLLEGE\Networkinng>start rmiregistry

E:\PROGRAM\COLLEGE\Networkinng>java AddServer

E:\PROGRAM\COLLEGE\Networkinng>java AddClient127.0.0.1 15 10

1st Number15

2st Number10

Sum is 25.0