**Steps to Run JAVA RMI:**

1. **Create four files as below :**
2. **AddServerIntf.java**

import java.rmi.\*;

public interface AddServerIntf extends Remote

{ double add(double d1, double d2)

throws RemoteException;

}

1. **AddServerImpl.java**

import java.rmi.\*;

import java.rmi.server.\*;

public class AddServerImpl extends UnicastRemoteObject

implements AddServerIntf {

public AddServerImpl()

throws RemoteException {

}

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

{ return d1 + d2;

}

}

1. **AddServer.java**

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

public class AddServer { public static void main(String args[]) {

try {

AddServerImpl addServerImpl = new AddServerImpl();

Naming.rebind("AddServer", addServerImpl); }

catch(Exception e)

{ System.out.println("Exception: " + e); }

}

}

1. **AddClient.java**

import java.rmi.\*;

public class AddClient { public static void main(String args[])

{

try {

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

AddServerIntf addServerIntf = (AddServerIntf)Naming.lookup(addServerURL);

System.out.println("The first number is: " + args[1]);

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

System.out.println("The second number is: " + args[2]);

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

System.out.println("The sum is: " + addServerIntf.add(d1, d2));

}

catch (Exception e){

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

}

}

}

1. **Compile all Java files using :** javac \*.java
2. **Generate Stub :** rmic AddServerImpl

It will create AddServerImpl\_Stub.class file

1. **Install appropriate files on Client and Server machine**

Client: Copy AddClient.class, AddServerImpl\_Stub.class, and AddServerIntf.class

Server: Copy AddServerIntf.class, AddServerImpl.class, AddServerImpl\_ Stub.class, and AddServer.class

1. **Start the RMI Registry on the Server Machine**

start rmiregistry

Ubuntu -- rmiregistry &

1. **Start the Server**

java AddServer

1. **Start the Client**

java AddClient 10.15.2.1 10 8

IP Address of Server and two numbers to be added are passed as command line arguments.