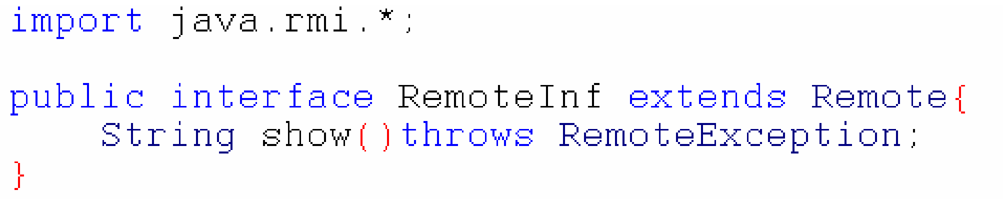
Steps Required at Server Side

Step # 01

(Simple create an interface which extends Remote (Tagging Interface)

RemoteInf.java

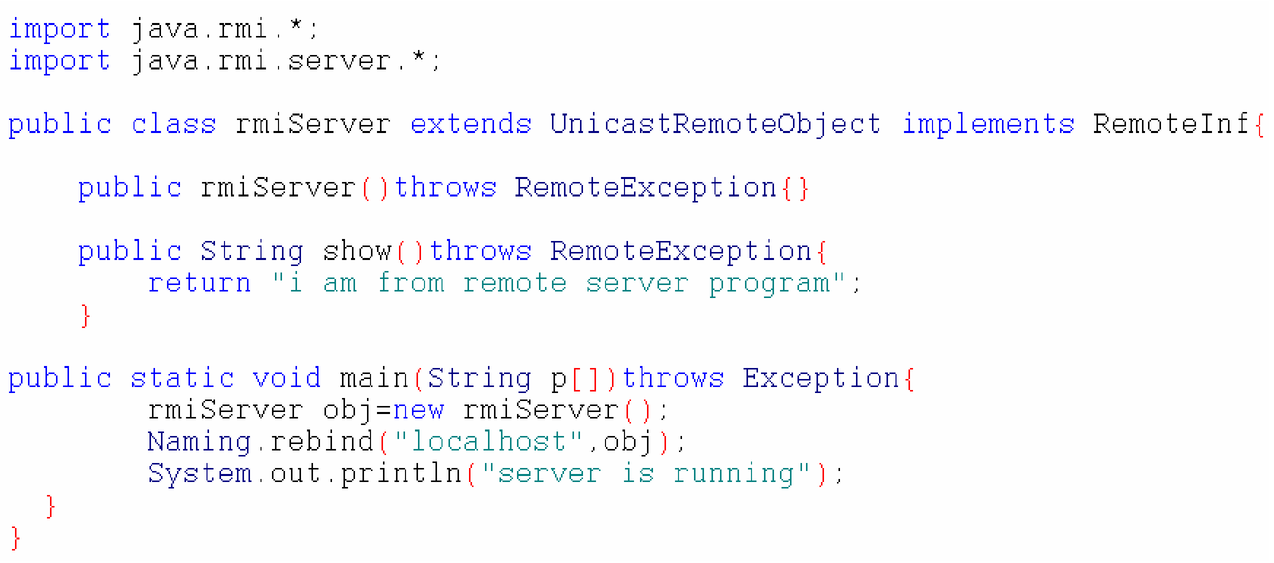


```
import java.rmi.*;

public interface RemoteInf extends Remote{
    String show()throws RemoteException;
}
```

Step # 02

(Create a server file which implements the above mentioned interface)
rmiServer.java



```
import java.rmi.*;
import java.rmi.server.*;

public class rmiServer extends UnicastRemoteObject implements RemoteInf{

    public rmiServer()throws RemoteException{}

    public String show()throws RemoteException{
        return "i am from remote server program";
    }

public static void main(String p[])throws Exception{
        rmiServer obj=new rmiServer();
        Naming.rebind("localhost",obj);
        System.out.println("server is running");
  }
}
```

Step # 03

(Compile both files i.e. *RemoteInf.java* and *rmiServer.java*)

Step # 04

(Produce *stub* class by *rmic* compiler i.e. *rmic rmiServer*)

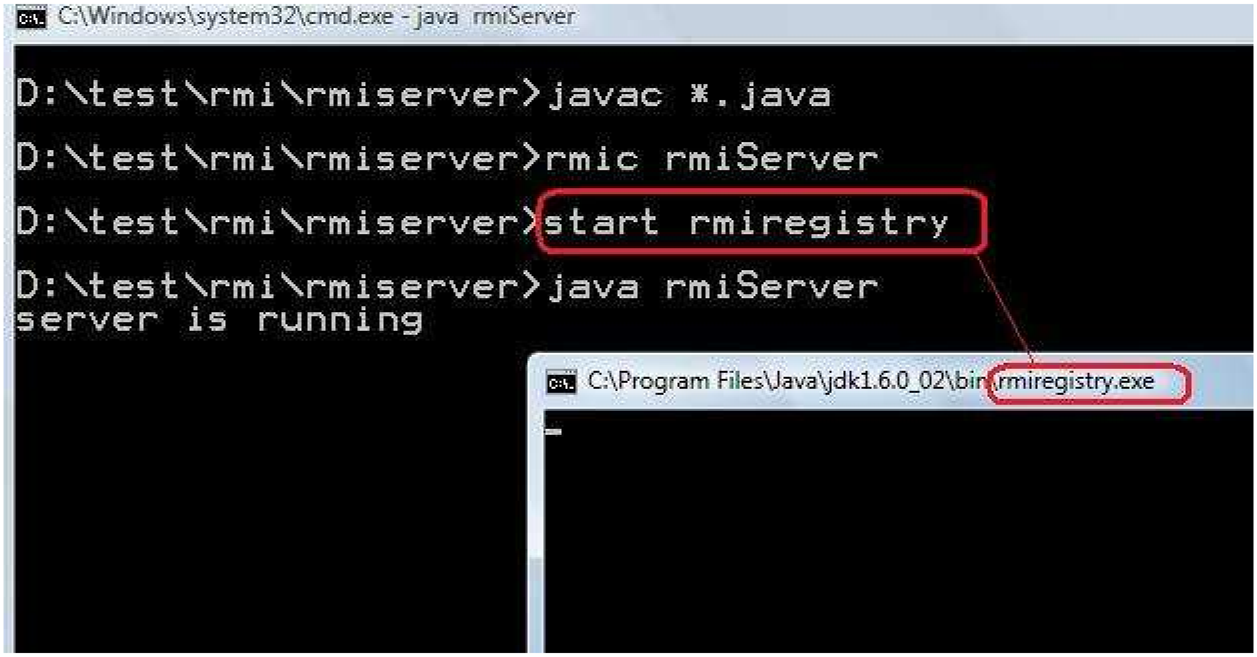
Step # 05

(Start rmi-registry *i.e. start rmiregistry*)

Step # 06

(Start/Run/Execute rmiServer i.e *java rmiServer*)

The above mentioned all processes can be seen in the following Diagram step by step



C:\Windows\system32\cmd.exe - java rmiServer

```
D:\test\rmi\rmiserver>javac *.java

D:\test\rmi\rmiserver>rmic rmiServer

D:\test\rmi\rmiserver>start rmiregistry

D:\test\rmi\rmiserver>java rmiServer
server is running
```

C:\Program Files\Java\jdk1.6.0_02\bin\rmiregistry.exe

```
_
```

Steps Required at Client Side

Step # 01

(Copy *Stub-class* and *RemoteInf.class* on Client side)

Step # 02

(Compile and run *rmiClient.java*)

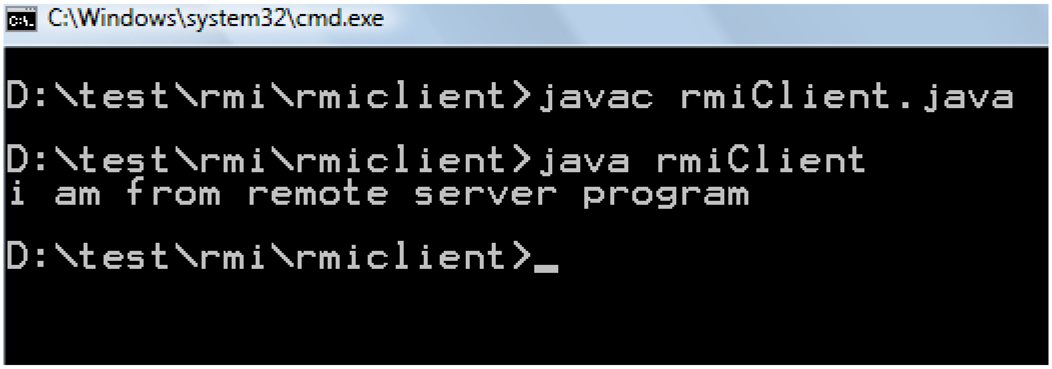
rmiClient.java

```
import java.rmi.*;

public class rmiClient{
  public static void main(String arg[])throws Exception
  {
     RemoteInf o=(RemoteInf) Naming.lookup("localhost");

     System.out.println(o.show());
  }
}
```

Output:



```
D:\test\rmi\rmiclient>javac rmiClient.java

D:\test\rmi\rmiclient>java rmiClient
i am from remote server program

D:\test\rmi\rmiclient>_
```