ReverseClient.java

```java
// client

import ReverseModule.*;

import org.omg.CosNaming.*;

import org.omg.CosNaming.NamingContextPackage.*;

import org.omg. CORBA.*;

import java.io.*;
class ReverseClient

{

    public static void main(String args[])

    {

        Reverse ReverseImpl=null;

        try

        {

        // initialize the ORB

        org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init(args, null);

        org.omg.CORBA.Object objRef = orb.resolve_initial_references ("NameService");

        NamingContextExt ncRef = NamingContextExtHelper.narrow (objRef);

        String name = "Reverse";

        ReverseImpl = ReverseHelper.narrow(ncRef.resolve_str(name));

        System.out.println("Enter String=");

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

        String str = br.readLine();

        String tempStr = ReverseImpl.reverse_string(str);

        System.out.println(tempStr);

        }



        catch (Exception e)

        {

        e.printStackTrace();

        }

    }

}
```

ReverseImpl.java

```java
import ReverseModule.ReversePOA;

import java.lang.String;

class ReverseImpl extends ReversePOA

{

    ReverseImpl()

    {

        super();

        System.out.println("Reverse Object Created");

    }

    public String reverse_string(String name)

    {

        StringBuffer str=new StringBuffer(name);

        str.reverse();

        return (("Server Send "+str));

    }

}
```

ReverseModule.idl

```
module ReverseModule
{
interface Reverse
{
    string reverse_string(in string str);
};
};
```

ReverseServer.java

```
import ReverseModule.*;

import org.omg.CosNaming.*;

import org.omg.CosNaming.NamingContextPackage.*;

import org.omg.CORBA.*;

import org.omg.PortableServer.*;



class ReverseServer

{

    public static void main(String[] args)

    {

        try

        {   // initialize the ORB

            org.omg.CORBA. ORB orb = org.omg.CORBA.ORB.init(args, null);



            // initialize the BOA/POA

            POA rootPOA = POAHelper.narrow(orb.resolve_initial_references("RootPOA"));

            rootPOA.the_POAManager().activate();

            // creating the calculator object

            ReverseImpl rvr = new ReverseImpl();



            // get the object reference from the servant class

            org.omg.CORBA.Object ref = rootPOA.servant_to_reference(rvr);



            System.out.println("Step1");

            Reverse h_ref = ReverseModule.ReverseHelper.narrow(ref);

            System.out.println("Step2");



            org.omg.CORBA.Object objRef = orb.resolve_initial_references("NameService");



            System.out.println("Step3");

            NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);



            System.out.println("Step4");



            String name = "Reverse";

            NameComponent path[] = ncRef.to_name(name);

            ncRef.rebind(path,h_ref);



            System.out.println("Reverse Server reading and waiting....");

            orb.run();

        }

        catch (Exception e)

        {

            e.printStackTrace();

        }

    }

}
```