Code:

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=");
```

```java
        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));}}
```

Server.java

```java
import ReverseModule.*;

import org.omg.CosNamig.*;

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();

}}}
```

Output: