ReverseClient.java

import ReverseModule.\*;

import org.omg.CORBA.\*;

import org.omg.CosNaming.\*;

import java.io.\*;

public class ReverseClient {

public static void main(String[] args) {

try {

ORB orb = ORB.init(args, null);

org.omg.CORBA.Object objRef = orb.resolve\_initial\_references("NameService");

NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);

String name = "Reverse";

Reverse reverseImpl = ReverseHelper.narrow(ncRef.resolve\_str(name));

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

System.out.print("Enter String: ");

String str = br.readLine();

String result = reverseImpl.reverse\_string(str);

System.out.println(result);

} catch (Exception e) {

e.printStackTrace();

}

}

}

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ReverseServer.java

import org.omg.CORBA.\*;

import org.omg.CosNaming.\*;

import org.omg.PortableServer.\*;

import ReverseModule.\*;

public class ReverseServer {

public static void main(String[] args) {

try {

ORB orb = ORB.init(args, null);

POA rootPOA = POAHelper.narrow(orb.resolve\_initial\_references("RootPOA"));

rootPOA.the\_POAManager().activate();

ReverseImpl reverseImpl = new ReverseImpl();

org.omg.CORBA.Object ref = rootPOA.servant\_to\_reference(reverseImpl);

Reverse href = ReverseHelper.narrow(ref);

org.omg.CORBA.Object objRef = orb.resolve\_initial\_references("NameService");

NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);

String name = "Reverse";

NameComponent[] path = ncRef.to\_name(name);

ncRef.rebind(path, href);

System.out.println("Reverse Server Ready and Waiting...");

orb.run();

} catch (Exception e) {

e.printStackTrace();

}

}

}

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ReverseImpl.java

import ReverseModule.ReversePOA;

class ReverseImpl extends ReversePOA {

public ReverseImpl() {

super();

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

}

public String reverse\_string(String name) {

return "Server send: " + new StringBuilder(name).reverse().toString();

}

}

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ReverseModule.java

module ReverseModule {

interface Reverse {

string reverse\_string(in string str);

};

};