```
import HelloModule.*;
import org.omg.CosNaming.*;
import org.omg.CosNaming.NamingContextPackage.*;
import org.omg.CORBA.*;
import org.omg.CORBA.ORB.*;
import java.util.Scanner;
public class Client {
  public static void main(String[] args) {
    Hello HelloImpl = null;
    try {
      // create and initialize ORB
      org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init(args,null);
      //obtaining the ORB object references for initial services
      org.omg.CORBA.Object objRef = orb.resolve_initial_references("NameService");
      //Naming ContextExt contains set of name bindings of Interoperable Naming services
      NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);
      //We have binded the name Hello from server so using same name for lookup
      String name = "Hello";
      //Getting reference of server name hello and then we are narrowing it down to Hello type
      HelloImpl = HelloHelper.narrow(ncRef.resolve_str(name));
      //Taking user Input
      System.out.println("Enter your name: ");
      Scanner sc = new Scanner(System.in);
```

```
String userName = sc.nextLine();

//Invoking the print_hello
System.out.println(HelloImpl.print_hello(userName));

} catch (Exception e) {
    System.out.println(e);
}
}
```

```
import HelloModule.Hello;
import org.omg.CosNaming.*;
import org.omg.CosNaming.NamingContextPackage.*;
import org.omg.CORBA.*;
import org.omg.PortableServer.*;
public class Server {
  public static void main(String[] args) {
    try {
      // create and initialize ORB
      org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init(args,null);
      //Getting reference of ROOTPOA
      POA rootPOA = POAHelper.narrow(orb.resolve_initial_references("RootPOA"));
      //Activating ROOTPOA
      rootPOA.the_POAManager().activate();
      //Create Object of Interface implementation which will act as servant
      HelloImpl helloImpl = new HelloImpl();
      //Registering the servant object reference in the rootPOA
      org.omg.CORBA.Object ref = rootPOA.servant_to_reference(helloImpl);
      //narrowing the ROOTPOA reference object to propertype which in this case is of type Hello
      System.out.println("Step 1");
      Hello h_ref = HelloModule.HelloHelper.narrow(ref);
```

```
//obtaining the ORB object references for initial services
      System.out.println("Step 2");
      org.omg.CORBA.Object objRef = orb.resolve_initial_references("NameService");
      //Afain narrowing the ORB object reference to NamingContext type to bin it with server
      System.out.println("Step 3");
      NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);
      //passing path and the servant object to the naming service, binding the servant object to the
"Hello"
      System.out.println("Step 4");
      String name = "Hello";
      NameComponent path[] = ncRef.to_name(name);
      ncRef.rebind(path,h_ref);
      //Enbaling ORB to run on main thread and waiting till invocation comes for ORB. Since it is in
main method after invocation it will wait again
      System.out.println("Server Ready....");
      orb.run();
    } catch (Exception e) {
      System.out.println(e);
    }
  }
```

