

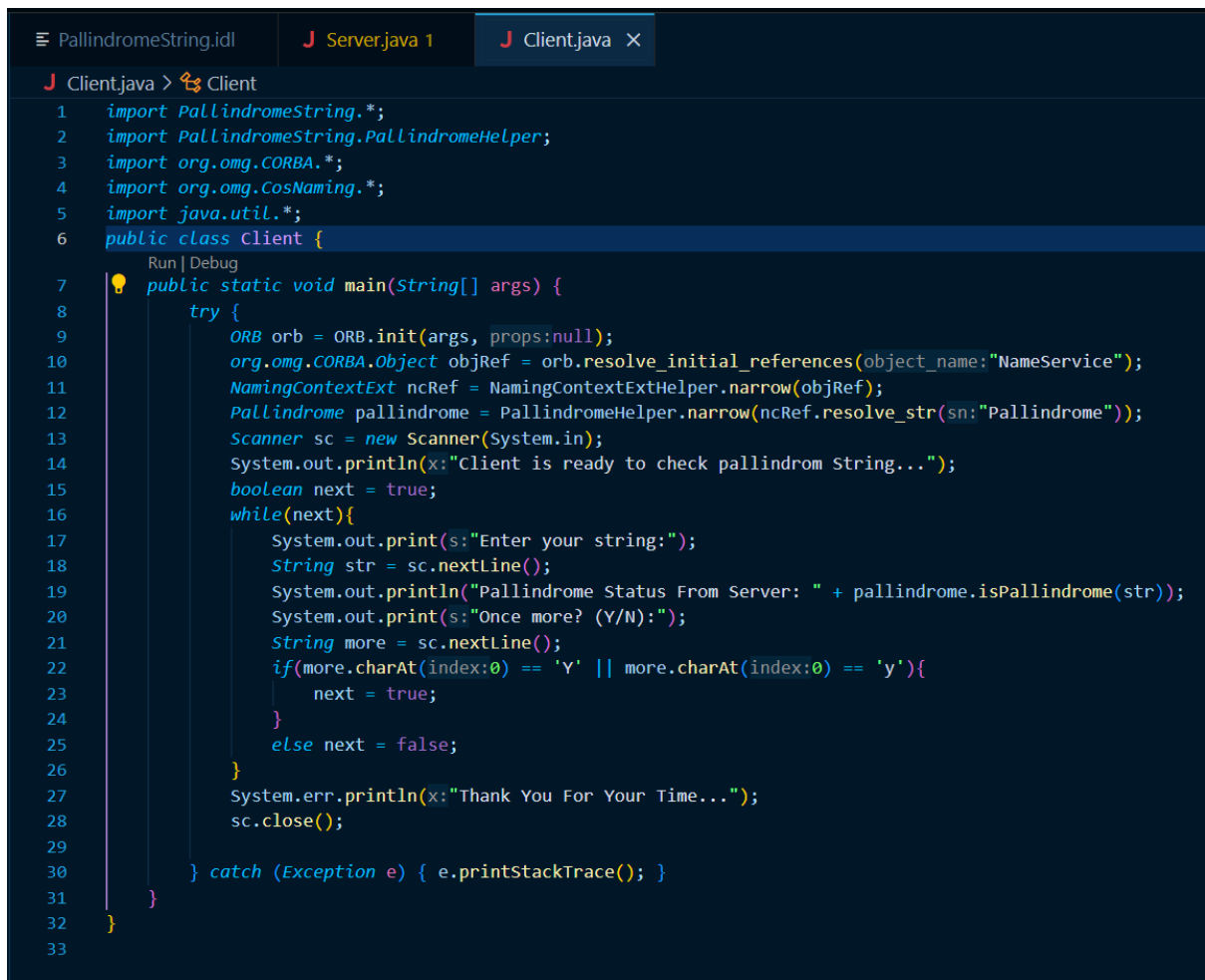
Initial Configuration

```
1 module PallindromeString{
2     interface Pallindrome{
3         boolean isPallindrome(in string str);
4     };
5 };
```

Server.java

```
1 import PallindromeString.*;
2 import PallindromeString.PallindromePOA;
3 import org.omg.CORBA.*;
4 import org.omg.CosNaming.NamingContextExt;
5 import org.omg.CosNaming.NamingContextExtHelper;
6 import org.omg.PortableServer.*;
7
8 class PallindromeImpl extends PallindromePOA {
9     private ORB orb;
10    public void setORB(ORB orb) { this.orb = orb; }
11    @Override
12    public boolean isPallindrome(String str) {
13        System.out.println("String received from client : " + str);
14        for(int i = 0, j = str.length() - 1; i < j; i++, j --){
15            if(str.charAt(i) != str.charAt(j)) return false;
16        }
17        return true;
18    }
19 }
20
21 public class Server {
22     Run | Debug
23     public static void main(String[] args) {
24         try {
25             ORB orb = ORB.init(args, props:null);
26             POA rootpoa = POAHelper.narrow(orb.resolve_initial_references(object_name:"RootPOA"));
27             rootpoa.the_POAManager().activate();
28             PallindromeImpl palImpl = new PallindromeImpl();
29             palImpl.setORB(orb);
30             org.omg.CORBA.Object ref = rootpoa.servant_to_reference(palImpl);
31             Pallindrome href = PallindromeHelper.narrow(ref);
32             org.omg.CORBA.Object objRef = orb.resolve_initial_references(object_name:"NameService");
33             NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);
34             ncRef.rebind(ncRef.to_name(sn:"Pallindrome"), href);
35             System.out.println(x:"Pallindrome Checker Server is Listening...");
36             orb.run();
37         } catch (Exception e) { e.printStackTrace(); }
38     }
39 }
```

Client.java



```
1  import PallindromeString.*;
2  import PallindromeString.PallindromeHelper;
3  import org.omg.CORBA.*;
4  import org.omg.CosNaming.*;
5  import java.util.*;
6  public class Client {
7      public static void main(String[] args) {
8          try {
9              ORB orb = ORB.init(args, props:null);
10             org.omg.CORBA.Object objRef = orb.resolve_initial_references(object_name:"NameService");
11             NamingContextExt ncRef = NamingContextExtHelper.narrow(objRef);
12             Pallindrome pallindrome = PallindromeHelper.narrow(ncRef.resolve_str(sn:"Pallindrome"));
13             Scanner sc = new Scanner(System.in);
14             System.out.println(x:"Client is ready to check pallindrom String...");
15             boolean next = true;
16             while(next){
17                 System.out.print(s:"Enter your string:");
18                 String str = sc.nextLine();
19                 System.out.println("Pallindrome Status From Server: " + pallindrome.isPallindrome(str));
20                 System.out.print(s:"Once more? (Y/N):");
21                 String more = sc.nextLine();
22                 if(more.charAt(index:0) == 'Y' || more.charAt(index:0) == 'y'){
23                     next = true;
24                 }
25                 else next = false;
26             }
27             System.err.println(x:"Thank You For Your Time...");
28             sc.close();
29         } catch (Exception e) { e.printStackTrace(); }
30     }
31 }
32
33
```

Client.java