

## AddServerIntf.java

```
1 import java.rmi.*;
2 public interface AddServerIntf extends Remote {
3     //method declaration
4     double add(double d1, double d2) throws RemoteException;
5 }
```

## AddServerImpl.java

```
1 import java.rmi.*;
2 import java.rmi.server.*;
3 //class that implements the remote interface
4 public class AddServerImpl extends UnicastRemoteObject
5 implements AddServerIntf {
6     //constructor
7     public AddServerImpl() throws RemoteException {
8     }
9     //implement method declared in the interface
10    public double add(double d1, double d2) throws RemoteException {
11        return d1 + d2; }
12 }
```

## AddServer.java

```
1 import java.rmi.*;
2
3 public class AddServer {
4     public static void main(String args[]) {
5         try {
6             //create remote object
7             AddServerImpl addServerImpl = new AddServerImpl();
8             //bind the remote object
9             Naming.rebind("AddServer", addServerImpl);
10        }
11        catch (Exception e) {
12            System.out.println("Exception: "+ e);
13        }
14    }
15 }
```

## AddClient.java

```
1 import java.rmi.*;
2 public class AddClient {
3     public static void main(String args[]) {
4         try {
5             // Get reference to the remote object
6             String addServerURL = "rmi://" + args[0] + "/AddServer";
7             AddServerIntf addServerIntf =
8                 (AddServerIntf) Naming.lookup(addServerURL);
9             System.out.println("The first number is: " + args[1]);
10            double d1 = Double.parseDouble(args[1]);
11            System.out.println("The second number is: " + args[2]);
12            double d2 = Double.parseDouble(args[2]);
13            // Invoke remote method to add numbers
14            System.out.println("The sum is: " + addServerIntf.add(d1, d2));
15        }
16        catch (Exception e) { System.out.println("Exception: "+ e);
17        }
18    }
19 }
```