

AddClient.java

```
import java.rmi.*;
public class AddClient {
    public static void main(String args[]) {
        try {
            String addServerURL = "rmi://" + args[0] + "/AddServer";
            AddServerIntf addServerIntf =
                (AddServerIntf) Naming.lookup(addServerURL);
            System.out.println("The first number is: " + args[1]);
            double d1 = Double.valueOf(args[1]).doubleValue();
            System.out.println("The second number is: " + args[2]);
            double d2 = Double.valueOf(args[2]).doubleValue();
            System.out.println("The sum is: " + addServerIntf.add(d1, d2));
        }
        catch (Exception e) { System.out.println("Exception: " + e);
        }
    }
}
```

AddServer.java

```
import java.net.*;
import java.rmi.*;
public class AddServer {
    public static void main(String args[]) {
        try {
            AddServerImpl addServerImpl = new AddServerImpl();
            Naming.rebind("AddServer", addServerImpl);
        }
        catch (Exception e) {
            System.out.println("Exception: " + e);
        }
    }
}
```

AddServerImpl.java

```
import java.rmi.*;
import java.rmi.server.*;
public class AddServerImpl extends UnicastRemoteObject
implements AddServerIntf {
    public AddServerImpl() throws RemoteException {
    }
    public double add(double d1, double d2) throws RemoteException {
        return d1 + d2; }
}
```

AddServerIntf.java

```
import java.rmi.*;
public interface AddServerIntf extends Remote {
    double add(double d1, double d2) throws RemoteException; }
```

Name: Shraddha Wakchaure
Batch: S10

Roll no: 43278
LP-V Assignment 01

```
daremo@daremo: ~/Desktop/LPV/A01 x daremo@daremo: ~/Desktop/LPV/A01/server x daremo@daremo: ~/Desktop/LPV/A01/client x
daremo@daremo:~/Desktop/LPV/A01$ javac *.java
daremo@daremo:~/Desktop/LPV/A01$ rmic AddServerImpl.
Warning: generation and use of skeletons and static stubs for JRMP
is deprecated. Skeletons are unnecessary, and static stubs have
been superseded by dynamically generated stubs. Users are
encouraged to migrate away from using rmic to generate skeletons and static
stubs. See the documentation for java.rmi.server.UnicastRemoteObject.
daremo@daremo:~/Desktop/LPV/A01$ rmiregistry
```

```
daremo@daremo: ~/Desktop/LPV/A01 x daremo@daremo: ~/Desktop/LPV/A01/server x daremo@daremo: ~/Desktop/LPV/A01/client x
daremo@daremo:~/Desktop/LPV/A01$ ls
AddClient.class  AddServer.class  AddServerImpl.java  AddServerIntf.class  AddServer.java  server
AddClient.java  AddServerImpl.class  AddServerImpl_Stub.class  AddServerIntf.java  client
daremo@daremo:~/Desktop/LPV/A01$ cd server
bash: cd: server: No such file or directory
daremo@daremo:~/Desktop/LPV/A01$ cd server
daremo@daremo:~/Desktop/LPV/A01/server$ ls
AddServer.class  AddServerImpl.class  AddServerImpl_Stub.class  AddServerIntf.class
daremo@daremo:~/Desktop/LPV/A01/server$ java AddServer
```

```
daremo@daremo: ~/Desktop/LPV/A01 x daremo@daremo: ~/Desktop/LPV/A01/server x daremo@daremo: ~/Desktop/LPV/A01/client x
daremo@daremo:~/Desktop/LPV/A01/server$ cd client
bash: cd: client: No such file or directory
daremo@daremo:~/Desktop/LPV/A01/server$ cd ..
daremo@daremo:~/Desktop/LPV/A01$ cd client
daremo@daremo:~/Desktop/LPV/A01/client$ ls
AddClient.class  AddServerImpl_Stub.class  AddServerIntf.class
daremo@daremo:~/Desktop/LPV/A01/client$ java AddClient 127.0.0.1 8 9
The first number is: 8
The second number is: 9
The sum is: 17.0
daremo@daremo:~/Desktop/LPV/A01/client$
```