

### Add Client

```
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);
        }
    }
}
```

### Add Server

```
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);
        }
    }
}
```

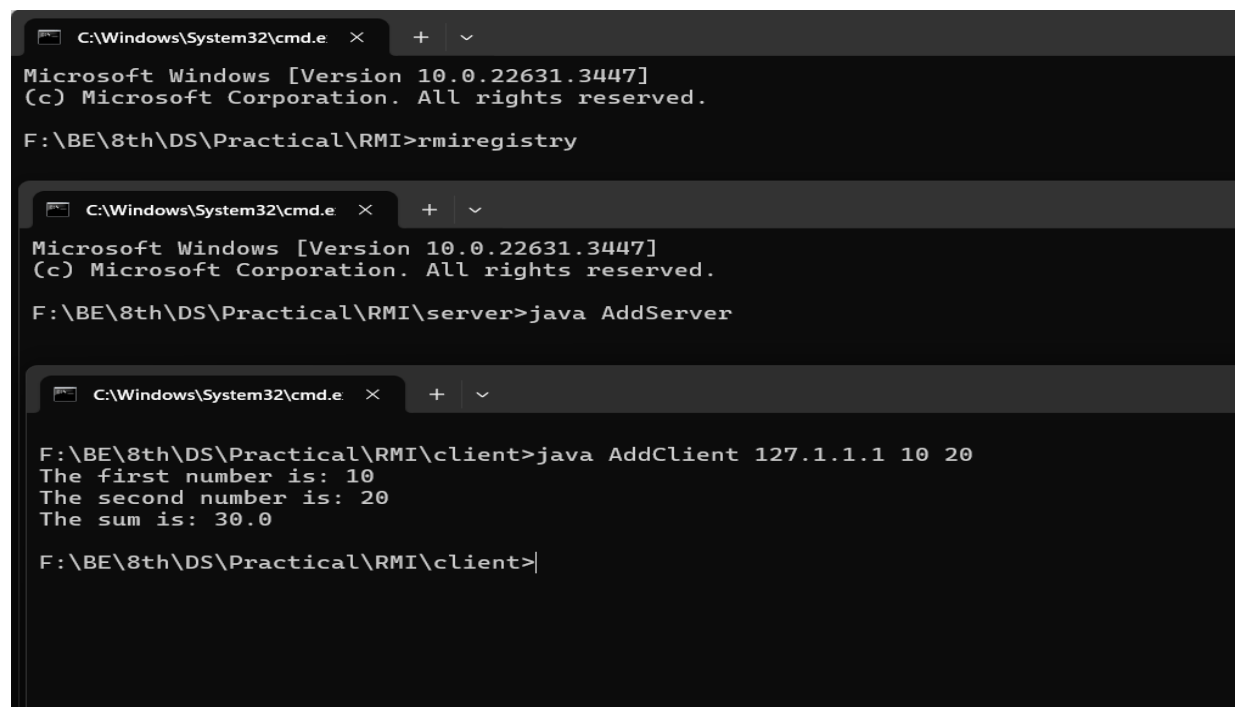
### Add Server Implementation

```
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;
    }
}
```

### Add Server Interface

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

### Output



```
C:\Windows\System32\cmd.e  x  +  v
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.
F:\BE\8th\DS\Practical\RMI>rmiregistry

C:\Windows\System32\cmd.e  x  +  v
Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.
F:\BE\8th\DS\Practical\RMI\server>java AddServer

C:\Windows\System32\cmd.e  x  +  v
F:\BE\8th\DS\Practical\RMI\client>java AddClient 127.1.1.1 10 20
The first number is: 10
The second number is: 20
The sum is: 30.0
F:\BE\8th\DS\Practical\RMI\client>|
```