

#### Code-AddServerIntf

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

#### Code- AddServerImpl

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

#### Code- AddServer

```
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);
        }
    }
}
```

#### Code- AddClient

```
import java.rmi.*;
public class AddClient {
    public static void main(String args[]) throws Exception {
        AddServerIntf obj =
            (AddServerIntf)Naming.lookup("ADD");
        int n = obj.add (12,34);
        System.out.println("Addition " + n);
    }
}
```

#### Output-

```
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ javac AddServerIntf.java
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ javac AddServerImpl.java
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ javac AddServer.java
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ javac AddClient.java
```

```
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ rmic AddServerImpl
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ rmiregistry &
[1] 9010
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ java AddServer
Server Started
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ javac AddClient.java
samthube@ubuntu-22:~/Downloads/DS/Ass 2$ java AddClient
Addition= 46
```