

### **//AddClient.java**

```
import java.rmi.*;

public class AddClient{

    public static void main(String args[]) {

        try{

            String addServerURL = "rmi://" + args[0] +
            "/AddServerImpl"; 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("AddServerImpl", 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;
    }
}
```

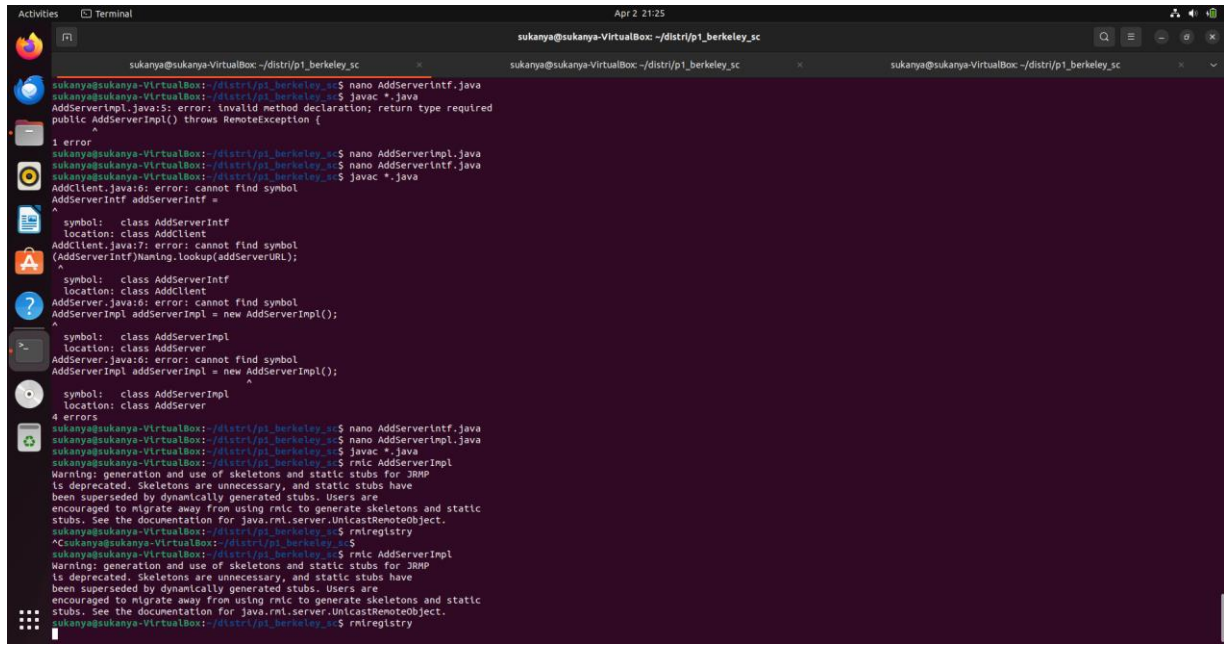
### **//AddServerIntf.java**

```
import java.rmi.*;

public interface AddServerIntf extends Remote {

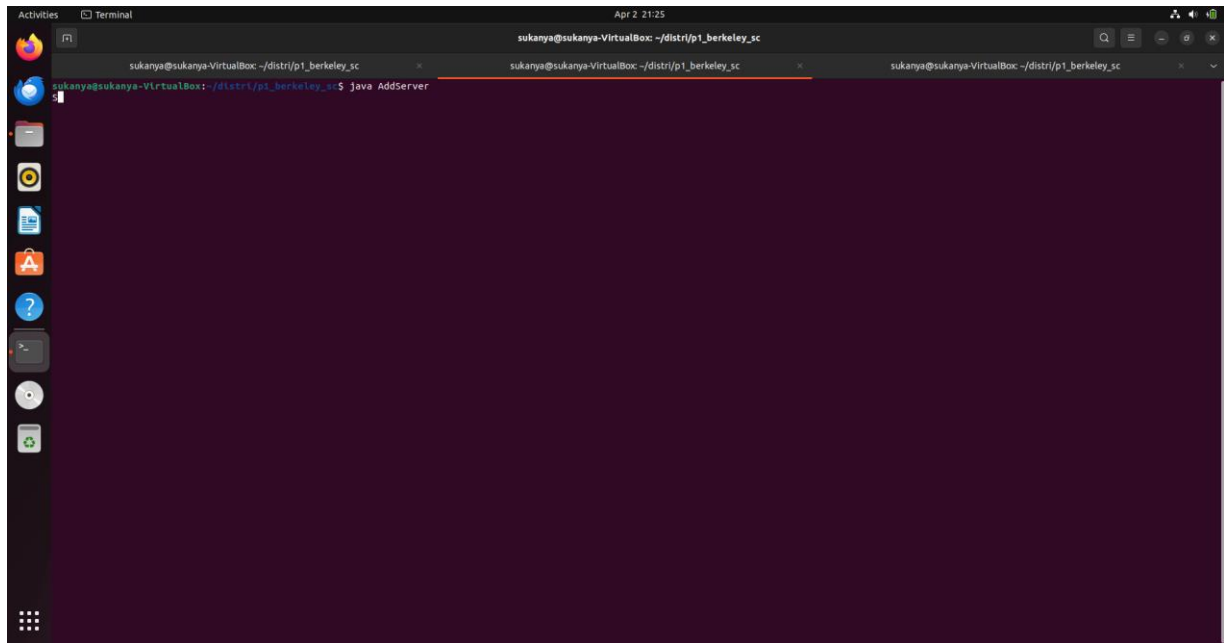
    double add(double d1, double d2) throws RemoteException;
}
```

- **Output:**



```

sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ nano AddServerIntf.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ javac *.java
AddServerImpl.java:6: error: invalid method declaration: return type required
public AddServerImpl() throws RemoteException {
^
1 error
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ nano AddServerImpl.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ nano AddServerIntf.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ javac *.java
AddClient.java:6: error: cannot find symbol
AddServerIntf addServerIntf =
^
symbol:   class AddServerIntf
location: class AddClient
AddClient.java:7: error: cannot find symbol
    (AddServerIntf)Naming.lookup(addServerURL);
    ^
symbol:   class AddServerIntf
location: class AddClient
AddServerImpl addServerImpl = new AddServerImpl();
^
symbol:   class AddServerImpl
location: class AddServer
AddServer.java:6: error: cannot find symbol
AddServerImpl addServerImpl = new AddServerImpl();
^
symbol:   class AddServerImpl
location: class AddServer
4 errors
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ nano AddServerIntf.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ nano AddServerImpl.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ javac *.java
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ rmic AddServerImpl
Warning: generation and use of skeletons and static stubs for JNMP
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.
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ rmiregistry
*Csukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ rmic AddServerImpl
Warning: generation and use of skeletons and static stubs for JNMP
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.
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ rmiregistry
```



```

sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc
sukanya@sukanya-VirtualBox: ~/distri/p1_berkeley_sc$ java AddServer
```

```
Activities Terminal Apr 2 21:22
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc$ java AddClient 10.0.2.15 2 5
The first number is: 2
The second number is: 5
The sum is: 7.0
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc$ java AddClient 10.0.2.15 15 67
The first number is: 15
The second number is: 67
The sum is: 82.0
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc$ java AddClient 10.0.2.15 23.6 1.8
The first number is: 23.6
The second number is: 1.8
The sum is: 25.400000000000002
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc$ java AddClient 10.0.2.15 23.6 1.5 199.2
The first number is: 23.6
The second number is: 1.5
The sum is: 25.1
sukanya@sukanya-VirtualBox: ~/distri/pi_berkeley_sc$ SS
```