

## **CODE:**

### **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);
        }
    }
}
```

### **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);
        }
    }
}
```

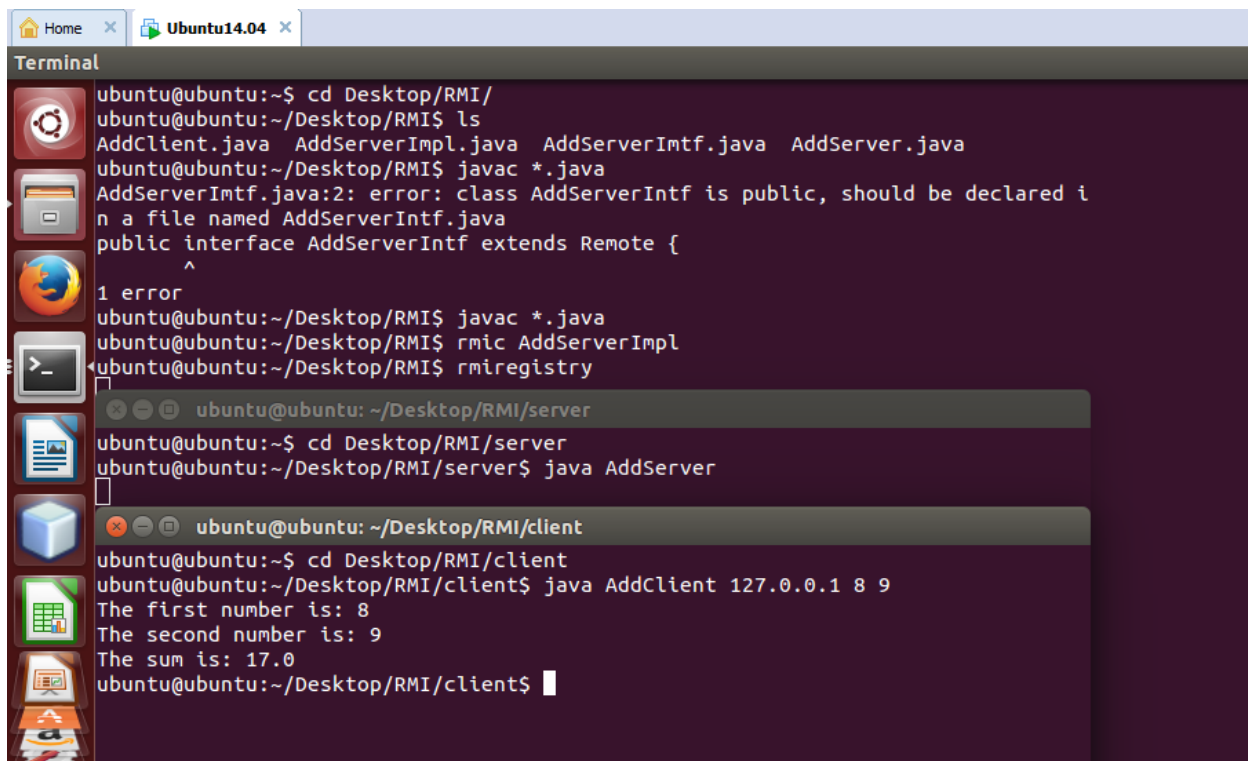
### AddServerIntf.java

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

### 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;
    }
}
```

### OUTPUT:



```
ubuntu@ubuntu:~$ cd Desktop/RMI/
ubuntu@ubuntu:~/Desktop/RMI$ ls
AddClient.java  AddServerImpl.java  AddServerIntf.java  AddServer.java
ubuntu@ubuntu:~/Desktop/RMI$ javac *.java
AddServerIntf.java:2: error: class AddServerIntf is public, should be declared i
n a file named AddServerIntf.java
public interface AddServerIntf extends Remote {
    ^
1 error
ubuntu@ubuntu:~/Desktop/RMI$ javac *.java
ubuntu@ubuntu:~/Desktop/RMI$ rmic AddServerImpl
ubuntu@ubuntu:~/Desktop/RMI$ rmiregistry

ubuntu@ubuntu:~/Desktop/RMI/server
ubuntu@ubuntu:~$ cd Desktop/RMI/server
ubuntu@ubuntu:~/Desktop/RMI/server$ java AddServer

ubuntu@ubuntu:~/Desktop/RMI/client
ubuntu@ubuntu:~$ cd Desktop/RMI/client
ubuntu@ubuntu:~/Desktop/RMI/client$ java AddClient 127.0.0.1 8 9
The first number is: 8
The second number is: 9
The sum is: 17.0
ubuntu@ubuntu:~/Desktop/RMI/client$
```