AddServerIntf.java

Tab bar: AddClient.java | AddServer.java | AddServerImpl.java | AddServerIntf.java

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

AddServerImpl.java

Tab bar: AddClient.java | AddServer.java | AddServerImpl.java | AddServerIntf.java

```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;
}
}
```

AddServer.java

Tab bar: AddClient.java | AddServer.java | AddServerImpl.java | AddServerIntf.java

```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

Tab bar: AddClient.java | AddServer.java

```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);
}
}
}
```

Screen 1 (Files): AddClient.class | AddClient.java | AddServer.class | AddServer.java | AddServerImpl.class | AddServerImpl.java | AddServerIntf.class | AddServerIntf.java

Terminal 1 — harsha@harsha: ~/Desktop/RMI

```
File Edit View Search Terminal Help
harsha@harsha:~/Desktop/RMI$ ls
AddClient.java  AddServerImpl.java  AddServerIntf.java  AddServer.java
harsha@harsha:~/Desktop/RMI$ javac *.java
harsha@harsha:~/Desktop/RMI$
```

Screen 2 (Files): Desktop RMI

AddClient.class | AddClient.java | AddServer.class | AddServer.java | AddServerImpl.class | AddServerImpl.java | AddServerImpl_Stub.class | AddServerIntf.class | AddServerIntf.java

Terminal 2 — harsha@harsha: ~/Desktop/RMI

```
File Edit View Search Terminal Help
harsha@harsha:~$ cd Desktop
harsha@harsha:~/Desktop$ cd RMI/
harsha@harsha:~/Desktop/RMI$ 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.
harsha@harsha:~/Desktop/RMI$
```

Screen 3 (Files): Desktop RMI

client | server | AddClient.class | AddClient.java | AddServer.class | AddServer.java | AddServerImpl.class | AddServerImpl.java | AddServerImpl_Stub.class | AddServerIntf.class | AddServerIntf.java

Terminal 3 — harsha@harsha: ~/Desktop/RMI

```
File Edit View Search Terminal Help
harsha@harsha:~/Desktop/RMI$ rmiregistry
```

Top window:

```
client   server   AddClient.  AddClient.  AddServer.  AddServer.  AddServerI  AddServerI  AddServerI  AddServerI  AddServerI
                   class       java        class       java        mpl.class   mpl.java    mpl_Stub.   ntf.class   ntf.java
```

harsha@harsha: ~/Desktop/RMI

File Edit View Search Terminal Help

```
harsha@harsha:~/Desktop/RMI$ rmiregistry
```

harsha@harsha: ~/Desktop/RMI/server

File Edit View Search Terminal Help

```
harsha@harsha:~/Desktop/RMI/server$ ls
AddServer.class           AddServerImpl_Stub.class
AddServerImpl.class       AddServerIntf.class
harsha@harsha:~/Desktop/RMI/server$ java AddServer
```

Bottom window:

⌂ Home   Desktop   RMI   ▶

```
client   server   AddClient.  AddClient.  AddServer.  AddServer.  AddServerI  AddServerI  AddServerI  AddServerI  AddServerI
                   class       java        class       java        mpl.class   mpl.java    mpl_Stub.   ntf.class   ntf.java
                                                                                           class
```

harsha@harsha: ~/Desktop/RMI

File Edit View Search Terminal Help

```
harsha@harsha:~/Desktop/RMI$ rmiregistry
```

harsha@harsha: ~/Desktop/RMI/server

File Edit View Search Terminal Help

```
harsha@harsha:~/Desktop/RMI/server$ ls
AddServer.class           AddServerImpl_Stub.class
AddServerImpl.class       AddServerIntf.class
harsha@harsha:~/Desktop/RMI/server$ java AddServer
```

harsha@harsha: ~/Desktop/RMI/client

File Edit View Search Terminal Help

```
harsha@harsha:~$ cd Desktop/RMI/client/
harsha@harsha:~/Desktop/RMI/client$ ls
AddClient.class  AddServerImpl_Stub.class  AddServerIntf.class
harsha@harsha:~/Desktop/RMI/client$ java AddCllent 127.0.0.1 8 9
The first number is: 8
The second number is: 9
The sum is: 17.0
harsha@harsha:~/Desktop/RMI/client$
```