

Richard Jeremy Githuba 115862

Remote Method Invocation Code Exercise

1) Create Remote Interface

```
import java.rmi.*;
public interface Adder extends Remote{

    public int add(int x,int y)throws RemoteException;
}
```

2) Provide the implementation of the remote interface

```
import java.rmi.*;
import java.rmi.server.*;
public class AdderRemote extends UnicastRemoteObject implements Adder{
    AdderRemote()throws RemoteException{
        super();
    }
    public int add(int x,int y){return x+y;}
}
```

3) create the stub and skeleton objects using the rmic tool

```
rmic AdderRemote
```

4) Start the registry service by the rmiregistry tool

```
rmiregistry 1099
```

5) Create and run the server application

```
import java.rmi.*;
import java.rmi.registry.*;
public class MyServer{
    public static void main(String args[]){
        try{
            Adder stub=new AdderRemote();
```

```
Naming.rebind("rmi://localhost:1099/sonoo", stub);
}catch(Exception e){System.out.println(e);}
}
}
```

6) Create and run the client application

```
import java.rmi.*;
public class MyClient{
public static void main(String args[]){
try{
Adder stub=(Adder)Naming.lookup("rmi://localhost:1099/sonoo");
System.out.println(stub.add(34,4));
}catch(Exception e){}
}
}
```