

5.)Write a program to implement Remote Method Invocation

```
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);
        }
    }
}
```

//Add Server

```
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);
        }
    }
}
```

// Add Server IMPL

```
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;
    }
}
```

```
//ADD SERVER INTF
```

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