**AddServerImpl**

import java.rmi.\*;

import java.rmi.server.\*;

import java.lang.\*;

public class AddServerImpl extends UnicastRemoteObject implements AddServerIntf

{

public AddServerImpl() throws RemoteException

{

}

public String concatString(String s1, String s2)

{

String s3 = s1+ s2;

return s3;

}

public int lengthString(String s)

{

int x = s.length();

return x;

}

public String upperCaseString(String s)

{

return s.toUpperCase();

}

public String lowerCaseString(String s)

{

return s.toLowerCase();

}

public int compareString(String s1, String s2)

{

int result = s1.compareTo( s2 );

return result;

}

}

**AddServerIntf**

import java.rmi.\*;

public interface AddServerIntf extends Remote

{

String concatString(String s1, String s2) throws RemoteException;

int lengthString(String s) throws RemoteException;

String upperCaseString(String s) throws RemoteException;

String lowerCaseString(String s) throws RemoteException;

int compareString(String s1, String s2) throws RemoteException;

}

**AddClient**

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("First string is: " + args[1]);

String s1 = String.valueOf(args[1]);

System.out.println("Second string is: " + args[2]);

String s2 = String.valueOf(args[2]);

System.out.println("Concatenation: " + addServerIntf.concatString(s1, s2));

System.out.println("Length 1: " + addServerIntf.lengthString(s1));

System.out.println("Length 2: " + addServerIntf.lengthString(s2));

System.out.println("Uppercase: " + addServerIntf.upperCaseString(s1));

System.out.println("Lowercase: " + addServerIntf.lowerCaseString(s2));

System.out.println("Are Equal? " + addServerIntf.compareString(s1, s2));

}

catch(Exception e)

{

System.out.println("Exception: " + e);

}

}

}

**AddServer**

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);

}

}

}