**DEVELOP AN RMI APPLICATION WHICH ACCEPTS A STRING OR A NUMBER AND CHECKS THAT STRING OR NUMBER IS PALINDROME OR NOT.**

**QUESTION:**

#### 1. WHAT IS THE DIFFERENCE BETWEEN USING BIND() AND REBIND() METHODS OF NAMING CLASS ?

**PROGRAM:**

**//1st code:Palinterface.java(create interface not class)**

import java.rmi.Remote;

import java.rmi.RemoteException;

public interface Palinterface extends Remote {

public int palin(String a) throws RemoteException;

}

**//2nd code: Palindrome.java(class file)**

import java.rmi.server.UnicastRemoteObject;

import java.rmi.\*;

import java.lang.\*;

import java.rmi.server.\*;

public class Palindrome extends UnicastRemoteObject implements Palinterface

{

public Palindrome() throws RemoteException { }

public int palin(String a) throws RemoteException

{

System.out.println("Hello");

StringBuffer str = new StringBuffer(a);

String str1 = str.toString();

System.out.println("Print : " + str1.toString());

StringBuffer str2 = str.reverse();

System.out.println("Print : " + str2.toString());

int b = str1.compareTo(str2.toString());

System.out.println("Print : " + b);

if (b == 0)

return 1;

else

return 0;

}

}

**// 3rd code: RMI\_SERA.java(class file)**

import java.io.\*;

import java.rmi.\*;

import java.net.\*;

public class RMI\_SERA

{

public static void main(String args[]) throws Exception

{

try

{

Palindrome twox = new Palindrome();

Naming.bind("palin", twox);

System.out.println("Object registered");

}

catch(Exception e)

{

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

}

}

}

**//4th code: Palclient.java(class file)**

**import** java.io.\*;

**import** java.rmi.\*;

**import** java.net.\*;

**public** **class** Palclient

{

**public** **static** **void** main(String args[]) **throws** Exception

{

**try**

{

String s1 = "rmi://localhost/palin";

Palinterface onex = (Palinterface)Naming.*lookup*(s1);

**int** m = onex.palin("madam");

System.***out***.println("Print : " + m);

**if** (m == 1)

{

System.***out***.println("The given string is a Palindrome");

}

**else**

{

System.***out***.println("The given string is not a Palindrome");

}

}

**catch** (Exception e)

{

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

}

}

}