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**Batch: M5 32162**

**Problem Statement: Develop an RMI application which accepts a string or a number and**

**checks that string or number is palindrome or not.**

**Code:**

**SERVER**

package mypack;

import java.rmi.\*;

import java.rmi.registry.LocateRegistry;

import java.rmi.registry.Registry;

public class Server

{

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

{

// TODO Auto-generated method stub

Registry registry = LocateRegistry.createRegistry(1000);

PaliClass p = new PaliClass();

registry.bind("SHOWMSG", p);

System.out.println("Server has started");

}

}

**CLIENT**

package mypack;

import java.rmi.Naming;

import java.rmi.\*;

import java.util.Scanner;

public class Client

{

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

{

// TODO Auto-generated method stub

PaliInterface p1=(PaliInterface) Naming.lookup("rmi://localhost:1000/SHOWMSG");

Scanner sc = new Scanner(System.in);

System.out.println("Enter the string");

String s2 =sc.next();

System.out.println("Entered string is "+s2);

p1.palindrome(s2);

}

}

**CLASS**

package mypack;

import java.rmi.RemoteException;

import java.rmi.server.UnicastRemoteObject;

public class PaliClass extends UnicastRemoteObject implements PaliInterface

{

public PaliClass() throws RemoteException

{

super();

}

public void palindrome(String s) throws RemoteException

{

String s1="";

int i=s.length()-1;

while( i>=0)

{

s1 = s1+s.charAt(i);

i--;

}

System.out.println("Entered string is "+s);

if(s.equalsIgnoreCase(s1))

{

System.out.println(s+" is a palindrome.");

}

else

{

System.out.println(s+" is not a palindrome.");

}

}

}

**INTERFACE**

package mypack;

import java.rmi.Remote;

import java.rmi.RemoteException;

public interface PaliInterface extends Remote

{

public void palindrome(String s) throws RemoteException;

}