

## SOURCE CODE:

### one.java

```
import java.rmi.*;
interface one extends Remote
{

    public int palin(String a) throws RemoteException;
}
```

### two.java

```
import java.rmi.*;
import java.lang.*;
import java.rmi.server.*;
public class two extends UnicastRemoteObject implements one
{
    public two() 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;
    }
}
```

### rmiserver.java

```
import java.io.*;
import java.rmi.*;
import java.net.*;
public class rmiserver
{
    public static void main(String args[]) throws Exception
    {
        try
        {
            two twox = new two();
            Naming.bind("palin", twox);
            System.out.println("Object registered");
        }
        catch(Exception e)
```

```
    {  
        System.out.println("Exception" + e);  
    }  
}  
}
```

### **rmiclient.java**

```
import java.io.*;  
import java.rmi.*;  
import java.net.*;  
public class rmiclient  
{  
    public static void main(String args[]) throws Exception  
    {  
        try  
        {  
            String s1 = "rmi://localhost/palin";  
            one onex = (one)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);  
        }  
    }  
}
```

## Output:

```
C:\Windows\System32\cmd.exe - java rmiserver
Microsoft Windows [Version 10.0.19042.631]
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C:\Windows\System32>cd/

C:\>cd Users\NAMO\eclipse-workspace\Paleindrome

C:\Users\NAMO\eclipse-workspace\Paleindrome>cd src

C:\Users\NAMO\eclipse-workspace\Paleindrome\src>javac *.java

C:\Users\NAMO\eclipse-workspace\Paleindrome\src>start rmiregistry

C:\Users\NAMO\eclipse-workspace\Paleindrome\src>java rmiserver
Object registered
Hello
Print : mom
Print : mom
Print : 0
```

Activate Windows

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.19042.631]  
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd/

C:\>cd Users\NAMO\eclipse-workspace\Paleindrome

C:\Users\NAMO\eclipse-workspace\Paleindrome>cd src

C:\Users\NAMO\eclipse-workspace\Paleindrome\src>java rmiclient

Print : 1

The given string is a Palindrome

C:\Users\NAMO\eclipse-workspace\Paleindrome\src>\_

Activate Windows