

Create separate package and delete module.info file for all RMI experiments.

### 1.) Client.java

```
package random;

import java.rmi.Naming;
import java.rmi.*;

public class Client {

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

        palinI obj=(palinI)

        Naming.lookup("rmi://localhost:16000/PALLINDROME"); //Naming.lookup is used to
        find the remote object by its URL. It tries to locate the object using RMI registry on the local machine
        at port 16000 with the name "PALLINDROME".

        obj.pallindromecheck(); // This line invokes the method pallindromecheck() on the
        remote object obtained from the RMI registry.

    }

}
```

### 2.) Server.java

```
package random;

import java.rmi.*;
import java.rmi.registry.LocateRegistry;
import java.rmi.registry.Registry;

public class Server
{

    public static void main(String args[]) throws RemoteException, AlreadyBoundException
    {

        Registry registry=LocateRegistry.createRegistry(16000);

        palinC obj=new palinC();

        registry.bind("PALLINDROME", obj);

        System.out.println("Server Started");

    }

}
```

```
}
```

### 3.) **PalinC.java**

```
package random;

import java.rmi.RemoteException;
import java.rmi.server.UnicastRemoteObject;
import java.util.*;

public class palinC extends UnicastRemoteObject implements palinI {

    protected palinC() throws RemoteException {
        super();
    }

    public void pallindromecheck() throws RemoteException
    {

        Scanner sc = new Scanner(System.in);
        String s;
        System.out.println("Enter the String");
        s=sc.next();
        int n=s.length();
        int flag=0;
        for(int i=0;i<n/2;i++)
        {
            if(s.charAt(i)!=s.charAt(n-i-1))
            {
                flag=1;
                break;
            }
        }
        if(flag==1)
        {
```

```
        System.out.println("Not a Palindrome");
    }
    else
    {
        System.out.println("Given string is a Palindrome");
    }
}
}
```

#### **4.) PalinI.java**

```
package random;

import java.rmi.Remote;
import java.rmi.RemoteException;

import java.rmi.Remote;

public interface palinI extends Remote{
    public void pallindromecheck()throws RemoteException;
}
```