

**6) Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.**

**Homepage:**

**Main.html:**

```
<html>

<frameset rows="25%,*">
  <frame src="top.html" name="top" scrolling="no" frameborder="0">
  <frameset cols="25%,75%">
    <frame src="left.html" name="left" scrolling="no" frameborder="0">
    <frame src="right.html" name="right" scrolling="auto" frameborder="0">
  </frameset>
</frameset>
</html>
```

**Top.html:**

```
<html>
<body bgcolor="pink">
<br><br>
<marquee><h1
align="center"><b><u>ONLINE BOOK
STORAGE</u></b></h1></marquee>
</body>
</html>
```

**Right.html:**

```
<html>
<body>
<br><br><br><br><br>
<h2 align="center">
<b><p> welcome to online book storage. Press
login if you are having id otherwise press
registration.
</p></b></h2>
</body>
</html>
```

### Left.html:

```
<html>
<body bgcolor="pink">
<h3>
<ul>
<li><a href="login.html" target="right"><font color="black"> LOGIN</font></a></li><br><br>
<li><a href="profile.html" target="right"><font color="black"> USER
PROFILE</font></a></li><br><br>
<li><a href="catalog.html" target="right"><font color="black"> BOOKS
CATALOG</font></a></li><br><br>
<li><a href="scart.html" target="right"><font color="black">
SHOPPINGCART</font></a></li><br><br>
<li><a href="payment.html" target="right"><font color="black"> PAYMENT</font></a></li><br><br>
<br><br>
</ul>
</body>
</html>
```

### **Registration and user Login**

#### **Login.html:**

```
<html>
<body bgcolor="pink"><br><br><br>
<script
language="javascript">
function validate()
{
var flag=1;
if(document.myform.id.value=="
"||
document.myform.pwd.value=="
")
{
alert("LoginId and Password must be filled")
flag=0;
}
if(flag==1)
{
```



```

d.value=="")
{
    alert("Enter all the details");
    flag=0;
}
var str=document.myform.phno.value;
var x=new RegExp("\\d","g");
if(!(str.match(x)))
{
    if(!(str.
length
==10))
flag=0
;
}
var str1=document.myform.id.value;
var x1=new RegExp("^[A-Z][a-
zA-Z]+$","g");
if(!(str1.match(x1)))
{
    flag=0;
    alert("Invalid UserID");
}
var
str1=document.myform.pwd.valu
e; var x1=new RegExp("^[A-
Z][a-zA-Z]+$","g");
if(!(str1.match(x1)))
{
    flag=0;
    alert("Invalid password");
}

if(f
lag
==
1)
{
    alert("VALID INPUT");
    window.self.location.href="login.html";
}

```

```

        else
        {
            alert("INVALIDINPUT");
            document.myform.focus();
<br><br>
    }
}
</script>
<form name="myform">
<div align="center"><pre>
NAME :<input type="text" name="name"><br> ADDRESS :<input
type="type" name="addr"><br> CONTACT NUMBER:<input
type="text"name="phno"><br> LOGINID :<input
type="text"name="id"><br>
PASSWORD :<input type="password"name="pwd"></pre><br><br>
</div>

<div align="center">
<input type="button" value="ok" onClick="validate()">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<input type="reset" value="clear">
</form></body></html>
```

## Books catalog:

### Scart.html:

```
<html>
<body bgcolor="pink"><br><br><br>
  <script
    language="javascript
"> function
validate()
{
  var flag=1;
  if(document.myform.title.val
ue=="")
    {
      flag=0;
    }

  str=document.myform.title.value;

  if(str=="c"||str=="C")
```

```

        {
            document.myform.t1.value="C";
            document.myform.t2.value=444;
        }
    else if(str=="jsp"||str=="JSP")

        else{
            document.myform.t1.value="JSP"; document.myform.t2.value=555;
        }

    {
        flag=0;
    }

```

### Catalog.html:

```

<html>
<body bgcolor="pink"><br><br><br>
<script
    language="javascript
"> function
validate()
{
    var flag=1;
    if(document.myform.id.value
    ==""||
        document.myform.title.valu
        e==""||
        document.myform.no.valu
        e==""||
        document.myform.cost.val
        ue=="")
    {
        flag=0;
    }

    str=document.myform.title.value;
    var str1=document.myform.cost.value;
    if(!((str=="c"&& str1==444) || (str=="jsp" && str1==555)))
    {

```

```
flag=0;
}

if(flag==1)
{

alert("VALID INPUT");


else
}

    }

{
    alert("INVALIDINPUT");
    document.myform.focus();
}
</script>
<form name="myform" action="scart.html" target="right">
<div align="center"><pre>
LOGINID          :<input type="text" name="id"><br>
TITLE            :<input type="text"
name="title"><br>NO.OFBOOKS           :<input
type="text"name="no"><br>
COSTOFBOOK      :<input type="text"name="cost"><br>
</pre><br><br>
</div>
<br><br>
<div align="center">
<input type="submit" value="ok" onClick="validate()">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<input type="reset" value="clear">
</form>
</body>
</html>
```

### Payment by creditcard

## Payment.html

```
<html>
<body bgcolor="pink"><br><br><br>
<script language="javascript">
function validate()
{
var flag=1;
if(document.myform.id.value=="|| document.myform.pwd.value=="||
document.myform.amount.value=="|| document.myform.num.value=="")
{
```

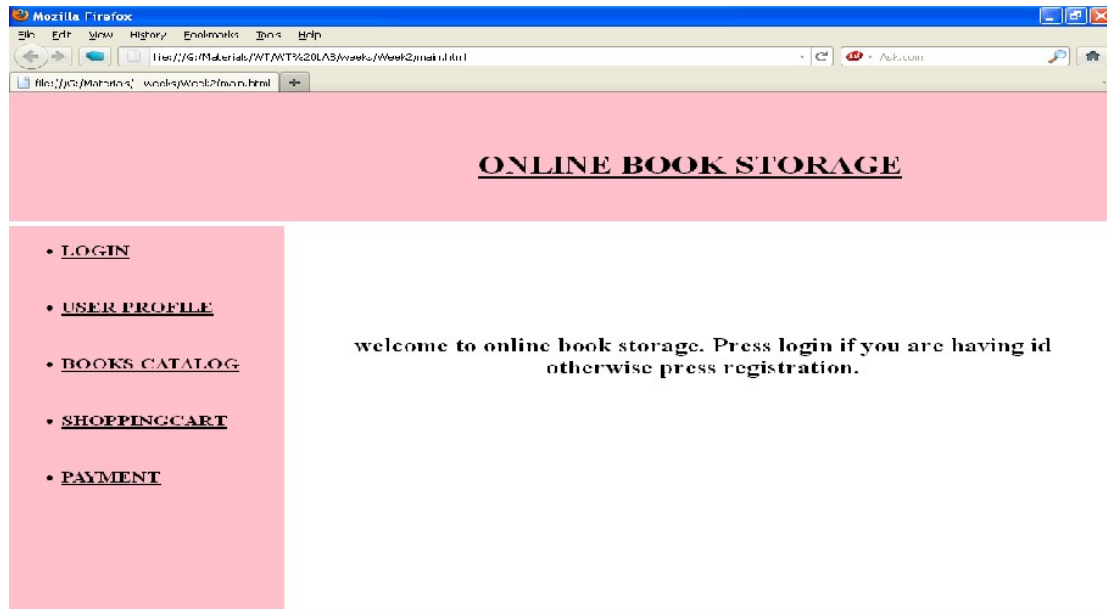




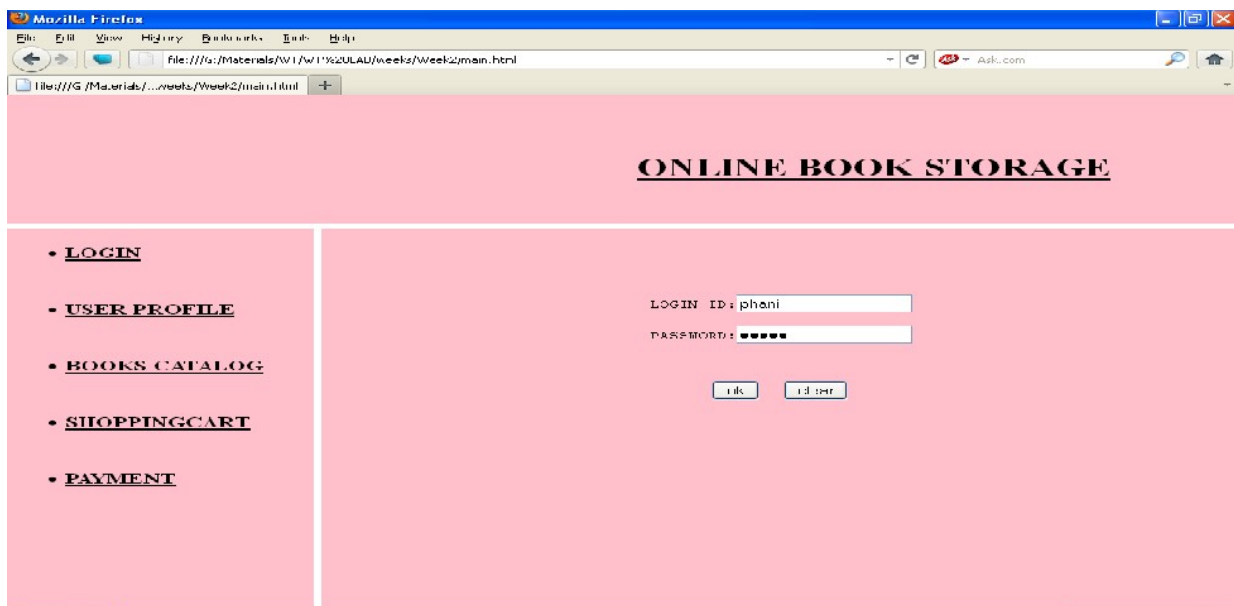
```
</body>
</html>
```

## OUTPUT:

### Main.html



### Login.html:



## Catalog.html:

**ONLINE BOOK STORAGE**

- **LOGIN**
- **USER PROFILE**
- **BOOKS CATALOG**
- **SHOPPINGCART**
- **PAYMENT**

LOGIN ID :

TITLE :

NO. OF BOOKS :

COST OF BOOK :

## Scart.html:

**ONLINE BOOK STORAGE**

- **LOGIN**
- **USER PROFILE**
- **BOOKS CATALOG**
- **SHOPPINGCART**
- **PAYMENT**

BOOK TITLE :

Book Title:  Book Cost:

## Payment.html:

**ONLINE BOOK STORAGE**

- [LOGIN](#)
- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [SHOPPINGCART](#)
- [PAYMENT](#)

LOGIN ID:

PASSWORD:

AMOUNT:

CREDIT CARD NUMBER:

## Order.html

**ONLINE BOOK STORAGE**

- [LOGIN](#)
- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [SHOPPINGCART](#)
- [PAYMENT](#)

**AMAZON**

Your order is confirmed

**THANK YOU**

- 7) **Create and save an XML document on the server, which contains 10 users information. Write a program, which takes User Id as an input and returns the user details by taking the user information from the XML document.**

```
<employees>
  <employee id="111">
    <firstName>Chandrika</firstName>
    <lastName>Gupta</lastName>
    <location>India</location>
  </employee>
  <employee id="222">
    <firstName>Srinivas</firstName>
    <lastName>Reddy</lastName>
    <location>Russia</location>
  </employee>
  <employee id="333">
    <firstName>Anupama</firstName>
    <lastName>P</lastName>
    <location>USA</location>
  </employee>
```

```
  <employee id="444">
    <firstName>Lokesh</firstName>
    <lastName>Gupta</lastName>
    <location>India</location>
  </employee>
  <employee id="555">
    <firstName>Vishnu</firstName>
    <lastName>Gussin</lastName>
    <location>Russia</location>
  </employee>
  <employee id="666">
    <firstName>Veeru</firstName>
    <lastName>Feezor</lastName>
    <location>USA</location>
```

```

</employee>
<employee id="777">
<firstName>Pavan</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>

<employee id="888">
<firstName>Narayana</firstName>
<lastName>Gussin</lastName>
<location>Russia</location>
</employee>
<employee id="999">
<firstName>David</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>
<employee id="1000">
<firstName>Sunder</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>
</employees>

```

#### ReadXML.java:

```

import org.w3c.dom.*;
import javax.xml.parsers.*;
import java.io.*;
import java.util.Scanner;
public class ReadXML {
    public static void main(String a[]) throws Exception {
        DocumentBuilderFactory factory =
DocumentBuilderFactory.newInstance();
        DocumentBuilder builder = factory.newDocumentBuilder();

        //Build Document
        Document document = builder.parse(new
File("C:\\Users\\Narayana\\Desktop\\employees.xml"));
        //Normalize the XML Structure; It's just too
important !! document.getDocumentElement().normalize();

```

```

//Here comes the root node
Element root = document.getDocumentElement();

//Get all employees
NodeList nList = document.getElementsByTagName("employee");
System.out.println("enter employee id:");
Scanner s=new Scanner(System.in);
String id=s.next();
for (int temp = 0; temp <nList.getLength(); temp++)
{
    Node node = nList.item(temp);
    if (node.getNodeType() == Node.ELEMENT_NODE)
    {
        Element eElement = (Element) node;
        if(eElement.getAttribute("id").equals(id)){
            System.out.println("First Name : "+
eElement.getElementsByTagName("firstName").item(0).getTextContent());
            System.out.println("Last Name:" +
eElement.getElementsByTagName("lastName").item(0).getTextContent());
            System.out.println("Location:" +
eElement.getElementsByTagName("location").item(0).getTextContent());
        }
    }
}
}
}

```

### **OUTPUT:-**

Enter Employee Id: 222

```

First Name : Srinivas
Last Name  : Reddy
Location   : Russia

```

**8) Install TOMCAT web server. Convert the static web pages of assignments 2 into dynamic webpages using servlets and cookies. Hint: Users information (user id, password, credit card number) would be stored in web.xml. Each user should have a separate Shopping Cart.**

### **PROCEDURE:**

First install the tomcat into the system.

Then make a subdirectory(eg., tr) in the \tomcat\webapps.

Under tr create WEB-INF directory and also place the html files in this tr directory only. Next under WEB-INF create two subclasses lib,classes and web.xml

Next place all the class files under the classes and jar files(servlet-api.jar,classes12.jar etc...) under lib subdirectories.

After this start tomcat by giving the following command at the instll\_dir>tomcat>bin Catalina.bat run

At the I.E(web browser) give the url as http://localhost:8080//tr/htmlfile or servlet url pattern Portno 8080 is assigned for the tomcat.

### **Web.xml**

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application
2.3//EN" "http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
    <display-name>Servlet 2.4 Examples</display-name>
    <description>
        Servlet 2.4 Examples.
    </description>
    <servlet>
        <servlet-name>reg</servlet-name>
        <servlet-class>reg</servlet-class>
    </servlet>
    <servlet>
        <servlet-name>login</servlet-name>
        <servlet-class>login</servlet-class>
    </servlet>
    <servlet>
        <servlet-name>profile</servlet-name>
        <servlet-class>profile</servlet-class>
    </servlet>
    <servlet>
        <servlet-name>catalog</servlet-name>
        <servlet-class>catalog</servlet-class>
```

```

<servlet-mapping>
  <servlet-name>order</servlet-name>
  <url-pattern>/order</url-pattern>
</servlet-mapping>
<servlet>
  <servlet-name>order</servlet-name>
  <servlet-class>order</servlet-class>
</servlet>
</web-app>

```

### Main.html

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<body bgcolor="pink">
<br /><br /><br /><br /><br />
<h1 align="center"><u>ONLINE BOOK STORAGE</u></h1><br /><br /><br />
<h2 align="center"><pre>
<b>Welcome to online book
storage. Press LOGIN if you are
having id otherwise press
REGISTRATION
</b></pre></h2>
<br /><br /><pre>
<div align="center"><a href="/tr/login.html">LOGIN</a><a
href="/tr/reg.html"> REGISTRATION</a></div></pre>
</body>
</html>

```



### Login.html

```
<html>
<body bgcolor="pink"><br /><br /><br />
<form name="myform" method="post" action="/tr/login">
<div align="center"><pre>
LOGIN ID :<input type="text" name="id" /><br />
PASSWORD :<input type="password" name="pwd" /></pre><br /><br />
</div>
<br /><br />
<div align="center">
<input type="submit" value="ok" onclick="validate()"
/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="clear" />
</div>
</form>
</body>
</html>
```

### Reg.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<body bgcolor="pink"><br /><br />
<form name="myform" method="post" action="/tr/reg">
<div align="center"><pre>
NAME                :<input type="text" name="name" /><br/>
ADDRESS              :<input type="text" name="addr"
/><br /> CONTACTNUMBER    :<input type="text"
name="phno" /><br /> LOGINID   :<input type="text" name="id"
/><br/>
PASSWORD              :<input type="password" name="pwd" /></pre><br /><br/>
</div>
<br /><br />
<div align="center">
<input type="submit" value="ok" onclick="validate()"
/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="clear" />
</div>
</form>
</body>
</html>
```

### Profile.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<body bgcolor="pink"><br /><br /><br />
<form name="myform" method="post" action="/tr/profile">
```



```

name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="clear" name="button2"/>
</div>
</form>
</body>
</html>

```

### Login.java

```

import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException
    {
        PrintWriter
        pw=resp.getWriter();
        pw.println("<html><body bgcolor=\"pink\"");
        String id=req.getParameter("id");
        String
        pwd=req.getParameter("pwd"); try
        {
            Driver
            d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
            ");
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from
            login";
            ResultSets=stmt.executeQuery(sqlstmt);
            int flag=0;
            while(rs.next(
            ))
            {
                if(id.equal(rs.getString(1))&&pwd.equals(rs.getString(2)))
                {
                    flag=1;
                }
            }
            if(flag==0)
            {

```

```

        }
        else
        {
pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
pw.println("<a href=\"tr/login.html\">press LOGIN to RETRY</a>");

pw.println("VALID LOGIN ID<br><br>");
pw.println("<h3><ul>");
pw.println("<li><a href=\"profile.html\"><fontcolor=\"black\">USER PROFILE</font>
        </a></li><br><br>");

        pw.println("<li><a href=\"catalog.html\"><fontcolor=\"black\">BOO
        KS CATALOG</font></a></li><br><br>");
        pw.println("<li><a href=\"order.html\"><fontcolor=\"black\">OR
        DER CONFIRMATION</font>    </a></li><br><br>");
        }
        pw.println("</body></html>");
    }
    catch(Exception e)
    {
        resp.sendError(500,e.toString());
    }
}

```

## Reg.html

```

import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequest req,HttpServletResponse
    resp) throws ServletException,IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
        bgcolor=\"pink\""); String
        name=req.getParameter("name");
        String addr=req.getParameter("addr");
        String phno=req.getParameter("phno");
        Stringid=req.getParameter("id");
        String
        pwd=req.getParameter("pwd"); int
    }
}

```

```

no=Integer.parseInt(phno);
try
{
    Driver d=new oracle.jdbc.driver.OracleDriver();
    DriverManager.registerDriver(d);
    Connection
    con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
    ")
    ;
    Statement stmt=con.createStatement();
    String sqlstmt="select id,password from
    login";
    ResultSets=stmt.executeQuery(sqlstmt);
    int flag=0;
    while(rs.next(
    ))
    {
        if(id.equal(rs.getString(1))&&pwd.equals(rs.getString(2)))
        {
            flag=1;
        }
    }
    if(flag==1)
    {
        pw.println("SORRY INVALID ID ALREADY EXISTS TRY AGAIN WITH NEW
        ID<br><br>");
        pw.println("<a href='\"/tr/reg.html\"'>press REGISTER to RETRY</a>");
    }
    else
    {
        Statement
        stmt1=con.createStatement();
        stmt1.executeUpdate("insertintologin
        values(\"+names\", \"+addr\", \"+no+\", \"+id+\", \"+pwd+)\");
        pw.println("YOUR DETAILS
        ARE ENTERED<br><br>");
        pw.println("<a href='\"/tr/login.html\"'>press LOGIN to login</a>");
    }
    pw.println("</body></html>");
}
catch(Exception e)
{
    resp.sendError(500,e.toString());
} } }

```

### Catlog.java

```

import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;

```

```

public class login extends HttpServlet
{
    public void service(HttpServletRequest req,HttpServletResponse
    resp) throws ServletException,IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
        bgcolor=\"pink\""); String
        title=req.getParameter("title");
        try
        {
            Driver d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
            ")
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from
            login";
            ResultSets=stmt.executeQuery(sqlstmt);
            int flag=0;
            while(rs.next(
            ))
            {
                pw.println(",div align=\"center\">");
                pw.println("TITLE
                                :"+rs.getString(1)+"<br>
                "); pw.println("AUTHOR :"+rs.getString(2)+"<br>");
                pw.println("VERSION :"+rs.getString(3)+"<br>");
                pw.println("PUBLISHER
                                :"+rs.getString(4)+"<br>
                "); pw.println("COST
                                :"+rs.getString(5)+"<br>
                "); pw.println("</div>");
                flag=1;
            }
            if(flag==0)
            {
                pw.println("SORRY INVALID TITLE TRY AGAIN <br><br>");
                pw.println("<a href=\"/tr/catalog.html\">press HERE to RETRY</a>");
            }
            pw.println("</body></html>");
        }
        catch(Exception e)
        {
            resp.sendError(500,e.toString());
        }
    }
}

```

```
}  
}
```

### Profile.java

```
import java.sql.*;  
import java.io.*;  
import java.util.*;  
import  
javax.servlet.*;  
import javax.servlet.http.*;  
public class login extends HttpServlet  
{  
  
    public void service(HttpServletRequest req, HttpServletResponse  
resp) throws ServletException, IOException  
    {  
  
        PrintWriter pw=resp.getWriter();  
        pw.println("<html><body  
bgcolor=\"pink\""); String  
id=req.getParamenter("id");  
try  
    {  
  
        Driver d=new oracle.jdbc.driver.OracleDriver();  
        DriverManager.registerDriver(d);  
        Connection  
            con=DriverManager.getConnection("jdbc:ora  
cle:thin:  
@localhost:1521:orcl","scott","tiger");  
        Statement stmt=con.createStatement();  
        String sqlstmt="select * from login where  
id="+id+"";  
        ResultSets=stmt.executeQuery(sqlstmt);  
        int flag=0;  
        pw.println("<br><br><br>");  
        while(rs.next())  
        {  
  
            pw.println("<div align=\"center\">");  
            pw.println("NAME  
                :"+rs.getString(1)+"<br>"  
            );  
            pw.println("ADDRESS:"+rs.getString(2)+"<br  
>");  
            pw.println("PHONENO  
                :"+rs.getString(3)+"<br>"  
            ); pw.println("</div>");  
            flag=1;  
        }  
        if(flag==0)  
        {  

```

```

        pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
        pw.println("<a href=\""/tr/profile.html\">press HERE to RETRY</a>");
    }
    pw.println("</body></html>");
}
catch(Exception e)
{
    resp.sendError(500,e.toString());
}
}
}

```

Order.java

```

import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequest req,HttpServletResponse
    resp) throws ServletException,IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
        bgcolor=\"pink\"");
        String id=req.getParameter("id");
        String
        pwd=req.getParameter("pwd");
        String
        title=req.getParameter("title");
        String
        count1=req.getParameter("no");
        String
        date=req.getParameter("date");
        String
        cno=req.getParameter("cno");
        int count=Integer.parseInt(count1);
        try
        {
            Driver d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
            ")
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from

```



```

login";
ResultSets=stmt.executeQuery(sqlstmt);
int
flag=0,amount,x;
while(rs.next())
{
    if(id.equals(rs.getString(1))&&pwd.equals(rs.getString(2)))
    {
        flag=1;
    }
}
if(flag==0)
{
    pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
    pw.println("<a href=\\\"/tr/order.html\\\">press HERE to RETRY</a>");

}
else
{

```

```

Statement stmt2=con.createStatement();
String s="select cost from book where title="+title+""; ResultSet
rs1=stmt2.executeQuery(s);
int flag1=0; while(rs1.next())
{

```

```

        flag1=1;
        x=Integer.parseInt(rs1.getString(
1));
        amount=count*x;
        pw.println("AMOUNT :"+amount+"<br><br><br><br>");
        Statement stmt1=con.createStatement();
        stmt1.executeUpdate("insertintodetailsvalues('"+id+"','"+title
        +"'"+amount+"','"+cno+"')"); pw.println("YOUR ORDER has
        taken<br>");
    }
    if(flag1==0)
    {
        pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
        pw.println("<a href=\\\"/tr/order.html\\\">press HERE to RETRY</a>");
    }

```

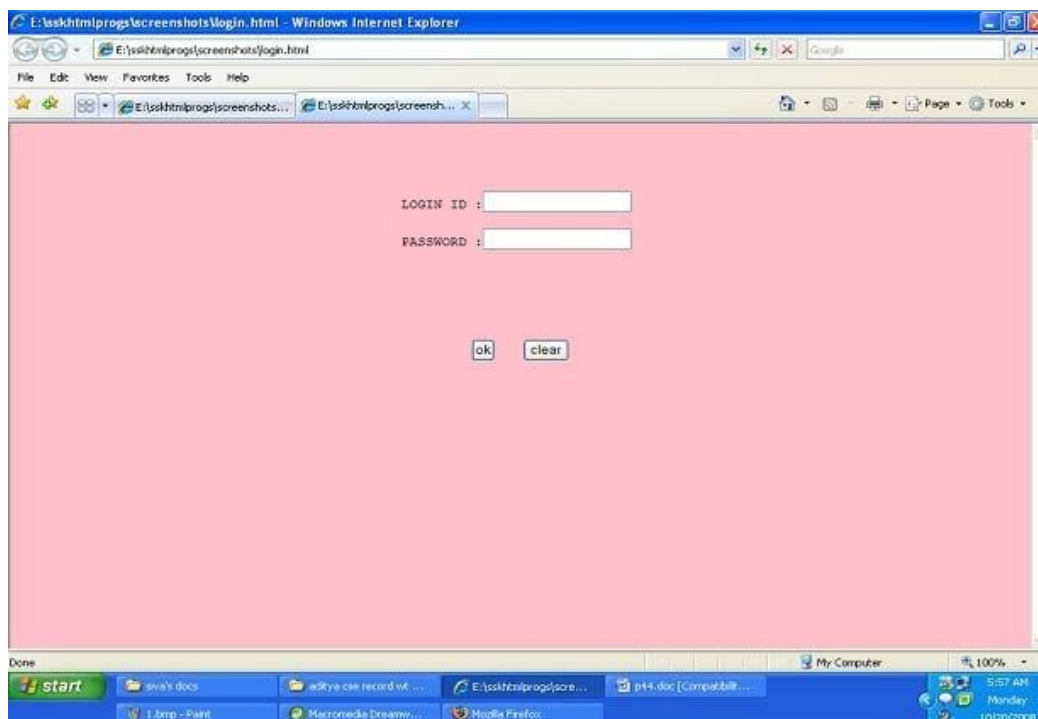
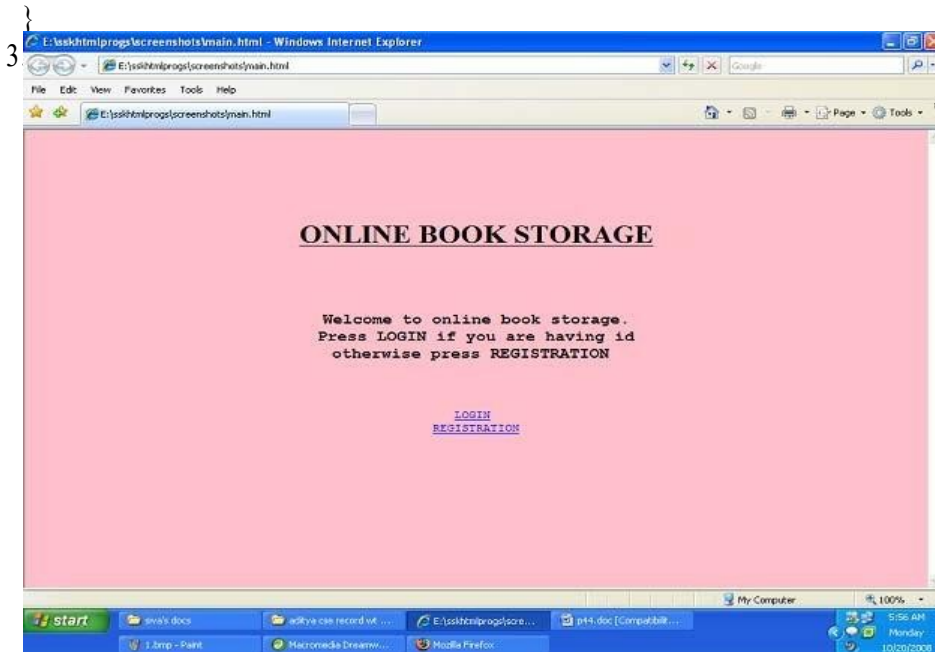
34

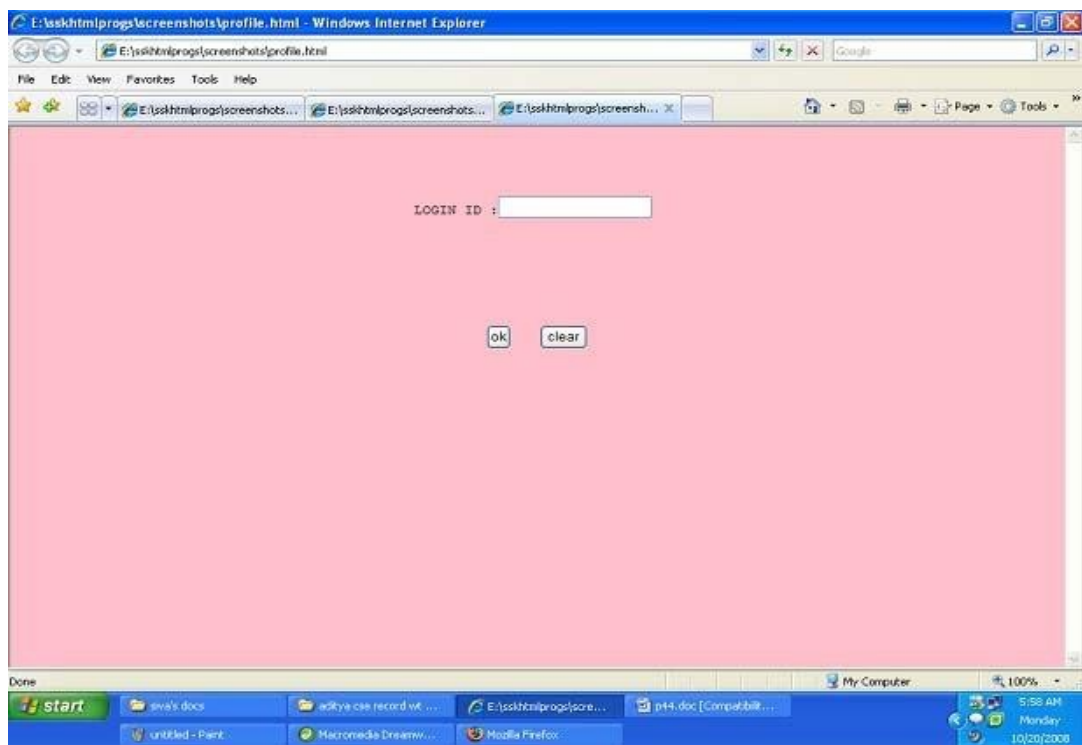
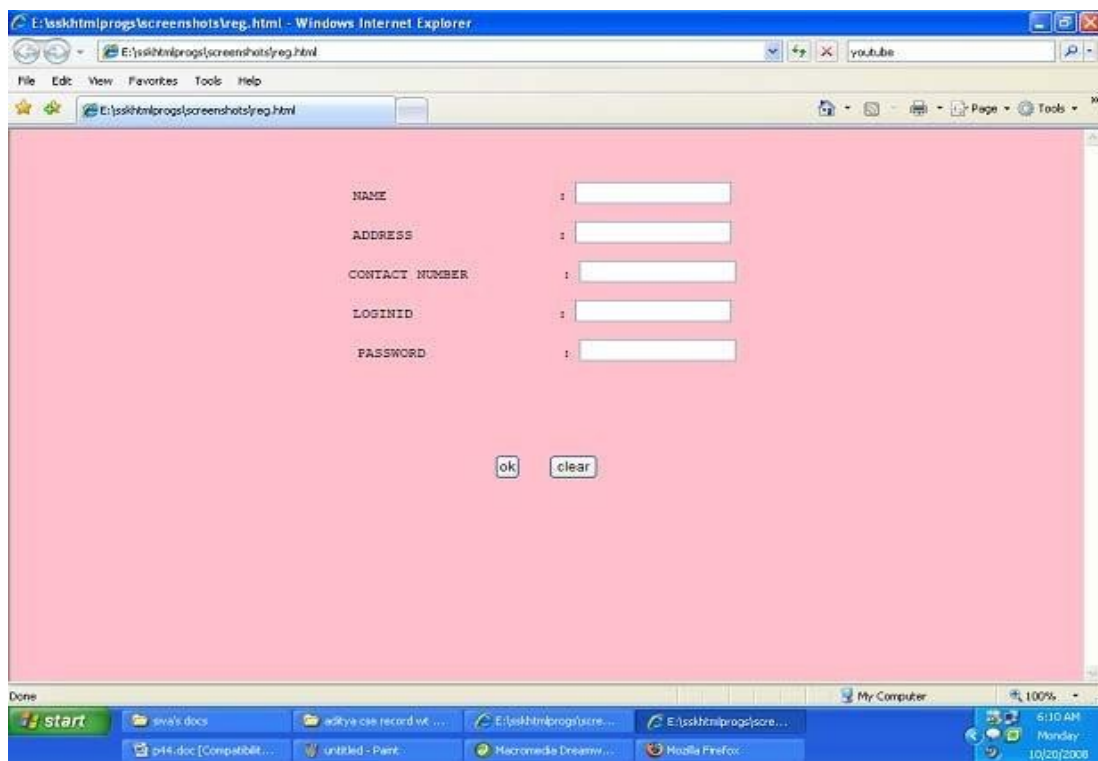
```

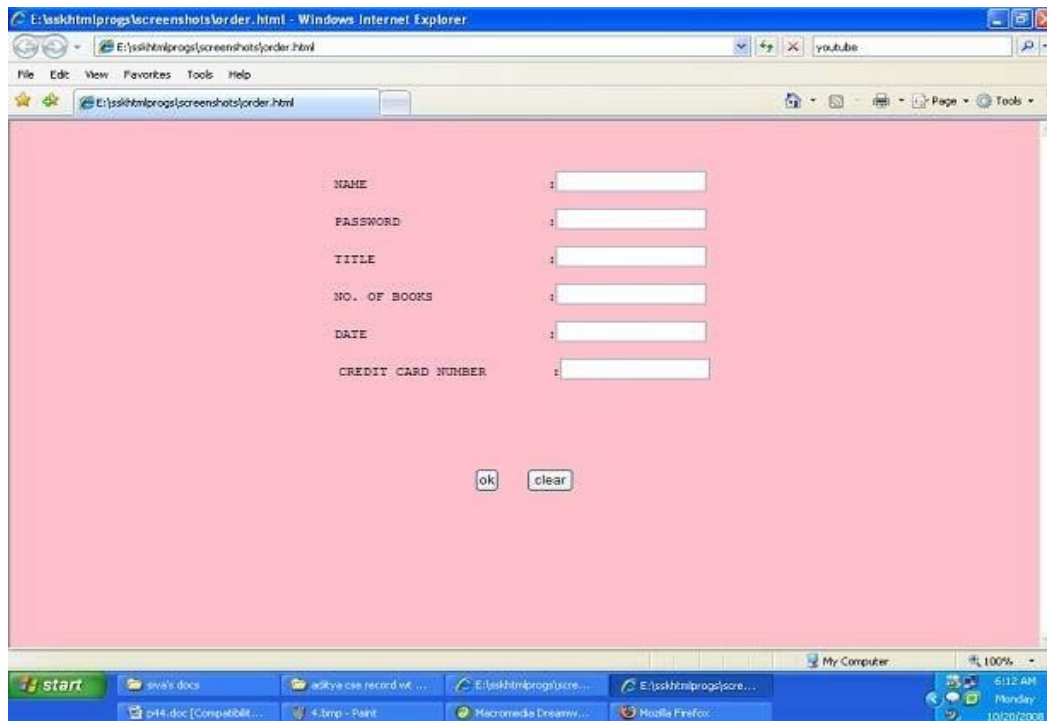
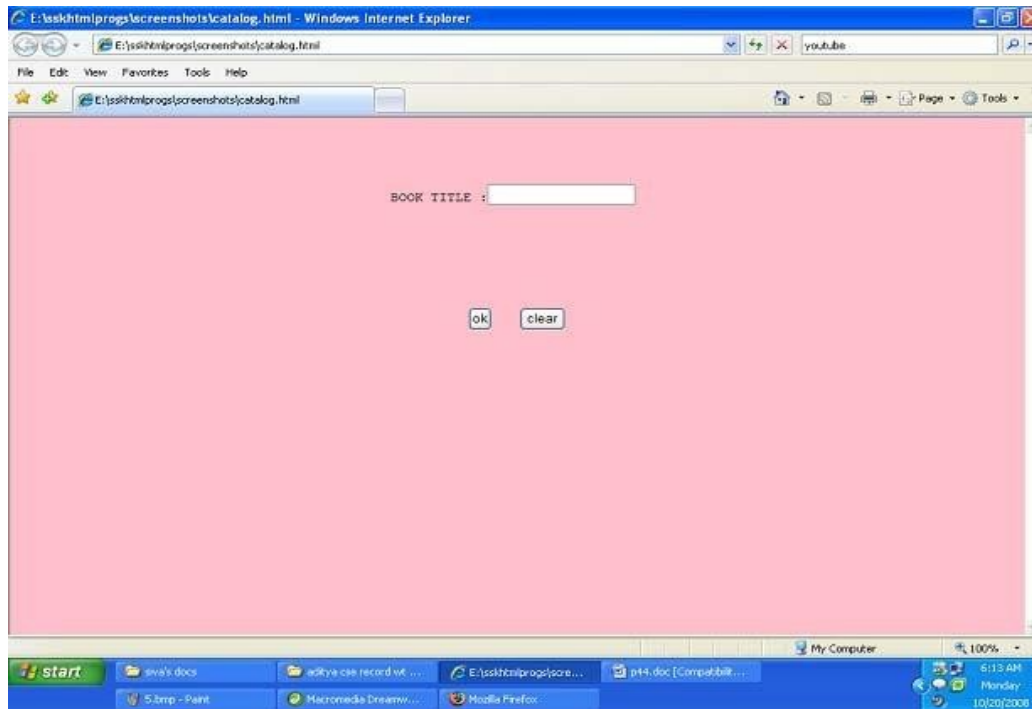
    }
    pw.println("</body></html>");
    con.close();
}

```

```
catch(Exception e)
{
    resp.sendError(500,e.toString());
}
```







- 9) **Redo the previous task using JSP by converting the static web pages of assignments 2 into dynamic web pages. Create a database with user information and books information. The books catalogue should be dynamically loaded from the database. Follow the MVC architecture while doing the website.**

- 1) Create your own directory under tomcat/webapps (e.g.tr1)
- 2) Copy the html files intr1
- 3) Copy the jsp files also intotr1
- 4) Start tomcat give the following  
command Catalina.batrun  
At install-dir/bin
- 5) at I.E give url ashttp://localhost:8081/tr1/main.html

```
<html>
<body bgcolor="pink">
<br><br><br><br><br><br>
<h1 align="center"><u>ONLINE BOOK STORAGE</u></h1><br><br><br>
<h2 align="center"><PRE>
<b> Welcome to online book
      storage. Press LOGIN if
      you are having id
      Otherwise press REGISTRATION
</b></PRE></h2>
<br><br><pre>
<div align="center"><a
href="/tr/login.html">LOGIN</a><a href="/tr/log
in.html">REGISTRATION</a></div></pre>
</body></html>
```

```
<html>  
    <body bgcolor=""pink"><br><br><br>  
    <form name="myform" method="post" action="/tr1/login.jsp">  
        <div align="center"><pre>  
            LOGIN ID :<input type="password"  
name="pwd"></pre><br><br> PASSWORD : <input  
type="password" name="pwd"></pre><br><br>  
        </div>  
        <br><br>  
        <div align="center">  
            <input type="submit" value="ok" onClick="validate()">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <input type="reset" value="clear">
```

```
</form>
</body></html>
```

**Reg.html:**

[illegible]

## Profile.html:

```
<html>  
<body bgcolor="pink"><br><br>  
<form name="myform" method="post" action="/tr1/profile.jsp">  
  <div align="center"><pre>  
LOGINID      : <input type="text"name="id"><br>  
</pre><br><br>  
</div>  
<br><br>  
<div align="center">  
  <input type="submit"value="ok" onClick="validate()">()>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
  <input type="reset" value="clear">  
</div>  
</form>  
</body>  
</html>
```

### Catalog.html:

```
<html>
<body bgcolor="pink"><br><br><br>
<form method="post" action="/tr1/catalog.jsp">
  <div align="center"><pre>
    BOOK TITLE :<input type="text" name="title"><br>
  </pre><br><br>
</div>
<br><br>
<div align="center">
  <input type="submit" value="ok"
    name="button1">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset" value="clear"
    name="button2"
  ">
</form>
</body>
</html>
```

### Order.html:

```
<html>
<body bgcolor="pink"><br><br><br>
<form method="post" action="/tr1/order.jsp">
  <div align="center"><pre>
    LOGINID :<input type="text"
    name="id"><br>PASSWORD :<input
    type="password" name="pwd"><br> TITLE
      :<input
    type="text" name="title"><br>
    NO. OF BOOKS :<input type="text"
    name="no"><br> DATE      : <input
    type="text" name="date"><br>
    CREDIT CARD NUMBER :<input type="password" name="cno"><br></pre><br><br>
  </div>
  <br><br>
  <div align="center">
    <input type="submit" value="ok" name="button1">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input
    type="reset" value="clear" name="button2">
  </div>
</form>
</body>
</html>
```

### Login.jsp: 41

```
%@page import="java.sql.*"%
%@page import="java.io.*"%
<%
```

```
out.println("<html><body
bgcolor=\`pink\`>"); String
```

```

id=request.getParameter("id");
String
pwd=request.getParameter("pwd");
Driver d=new
oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger");
Statement stmt=con.createStatement();
String sqlstmt="select id,password from login where id="+id+" and
password="+pwd+""; ResultSet rs=stmt.executeQuery(sqlstmt);
int flag=0;
while(rs.next())
{
    flag=1;
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
    out.println("<a href='\"/tr1/login.html\"'>press LOGIN to RETRY</a>");
}
else
{
    out.println("VALID LOGIN ID<br><br>");
    out.println("<h3><ul>");
    out.println("<li><a href='\"profile.html\"'><font color='\"black\"'>USER
    PROFILE</font></a></li><br><br>");

    out.println("<li><a href='\"catalog.html\"'><font color='\"black\"'>BOOKS
    CATALOG</font></a></li><br><br>");
    out.println("<li><a href='\"order.html\"'><font color='\"black\"'>ORDER
    CONFIRMATION</font></a></li><br><br>"); out.println("</ul>");
}
    out.println("</body></html>");
%>
42

```

### Reg.jsp:

```

%@page import="java.sql.*"%
%@page import="java.io.*"%
<%

```

```

    out.println("<html><body
    bgcolor='\"pink\"'>"); String
    name=request.getParameter("name");
    String
    addr=request.getParameter("addr");

```



```

String
phno=request.getParameter("phno");
String id=request.getParameter("id");
String
pwd=request.getParameter("pwd");
int no=Integer.parseInt(phno);
Driver d=new
oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
Connection con=
DriverManager.getConnection
("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
stmt=con.createStatement();
String sqlstmt="select id from
login";
ResultSets=stmt.executeQuery(sql
stmt); int flag=0;
while(rs.next())
{
    if(id.equals(rs.getString(1)))
    {
        flag=1;
    }
}
if(flag==1)
{
    out.println("SORRY LOGIN ID ALREADY EXISTS TRY AGAIN WITH NEW ID <br><br>");
    out.println("<a href='\"/tr1/reg.html\"'>press REGISTER to RETRY</a>");
}
else
{
    Statement stmt1=con.createStatement ();
    stmt1.executeUpdate ("insert into login values
    (+name+",""+addr+",""+no+",""+id+",""+pwd+""); out.println ("YOU DETAILS
    ARE ENTERED <br><br>");
    out.println ("<a href='\"/tr1/login.html\"'>press LOGIN to login</a>");
}
    out.println ("</body></html>");
%>

```

Profile.jsp: 43

```

<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println ("<html><body
    bgcolor='\"pink\"'>"); String
    id=request.getParameter("id");
    Driver d=new
    oracle.jdbc.driver.OracleDriver();
    DriverManager.registerDriver(d);

```

```

        Connection con=
        DriverManager.getConnection(("jdbc:oracle:thin:@localhost:1521:orcl","s
        cott","tiger"); Statement stmt=con.createStatement ();
        String sqlstmt="select * from login where
        id="+id+"'"; ResultSets=stmt.executeQuery
        (sqlstmt);
        int
        flag=0;
        while(rs.next())
        {
            out.println("<div align=\"center\">");
            out.println("NAME
                        :"+rs.getString(1)+"<b
            r>"); out.println ("ADDRESS
            :"+rs.getString(2)+"<br>"); out.println
            ("PHONE NO :"+rs.getString(3)+"<br>");
            out.println("</div>");
            flag=1;
        }
        if(flag==0)
        {
            out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
            out.println("<a href=\"/tr1/profile.html\">press HERE to RETRY </a>");
        }
        out.println("</body></html>");
        %>

```

Catalog.jsp:

```

<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println("<html><body
    bgcolor=\"pink\">"); String
    title=request.getParameter ("title");
    Driver d=new
    oracle.jdbc.driver.OracleDriver ();
    DriverManager.regiserDriver (d);
    Connection con=
    DriverManager.getConnection
    ("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
    stmt=con.createStatement ();
    String sqlstmt="select * from book where
    title="+title+"'"; ResultSets=stmt.executeQuery
    (sqlstmt);
    int
    flag=0;
    while(rs.next()

```

```

{
    out.println("<div align=\"center\">");
    out.println("TITLE
                :"+rs.getString(1)+"<br
>"); out.println("AUTHOR
                :"+rs.getString(2)+"<br>"); out.println
("VERSION:"+rs.getString(3)+"<br>");
    out.println("PUBLISHER :"+
rs.getString(4)+"<br>"); out.println
("COST :"+rs.getString(5)+"<br>");
    out.println("</div>");
    flag=1;
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
    out.println("<a href=\"/tr1/catalog.html\">press HERE to RETRY </a>");
}

out.println("</body></html>");
%>

```

### **Order.jsp:**

```

<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println("<html><body
bgcolor=\"pink\">"); String
id=request.getParameter("id");
String pwd=request.getParameter
("pwd"); String
title=request.getParameter("title");
String count1=request.getParameter
("no"); String
date=request.getParameter("date");
String cno=request.getParameter
("cno"); int
count=Integer.parseInt(count1);
Driver d=new
oracle.jdbc.driver.OracleDriver();
DriverManager.regiserDriver(d);
Connection con=
DriverManager.getConnection
("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
stmt=con.createStatement();
String sqlstmt="select id, password
from login";
ResultSets=stmt.executeQuery
(sqlstmt);

```

```

        int
        flag=0,amount,x;
        while(rs.next())
        {
            if(id.equals(rs.getString(1))&&pwd.equals(rs.getString(2)))
            {
                flag=1;
            }
        }
        if(flag==0)
        {
            out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
            out.println("<a href='\"/tr1/order.html\"'>press HERE to RETRY </a>");
        }
        else{
            Statement stmt2=con.createStatement();
            String s="select cost from book where
            title='"+title+"'"; ResultSet
            rs1=stmt2.executeQuery(s);
            int flag1=0;
            { while(rs1.next())

            flag1=1;
            x=Integer.parseInt(rs1.getString(1)); amount=count*x;
            out.println("AMOUNT
            :"+amount+"<br><br><br><br>"); Statement
            stmt1=con.createStatement ();
            stmt1.executeUpdate ("insert into details
            ("+"id+"','"+title+"','"+amount+"','"+date+"','"+cno+"")"); out.println ("YOU
            ORDER HAS TAKEN<br>");
            if(flag1==0)
            {
                out.println("SORRY INVALID BOOK TRY AGAIN <br><br>");
                out.println("<a href='\"/tr1/order.html\"'>press HERE to RETRY </a>");
            }
        }
        out.println ("</body></html>");%>

```

## OUTPUT:

