1. Write a PHP script to print prime numbers between 1-50.

```
<?php
$number = 2;
while ($number < 100) {
    $div_count = 0;
    for ($i = 1; $i <= $number; $i++) {
        if ($number % $i == 0) {
            $div_count++;
        }
    }
    if ($div_count < 3) {
        echo $number . " , ";
    }
    $number = $number + 1;
}
</pre>

OUTPUT : 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47
```

2. PHP script to

a. Find the length of a string.

```
<?php
$myString = "Hello, World!";
$lengthOfString = strlen($myString);
echo "Length of the string: $lengthOfString";
?>
OUTPUT:
Length of the string: 13
```

b. Count no of words in a string.

```
<?php
$myString = "This is a sample sentence.";
$wordCount = str_word_count($myString);
echo "Number of words in the string: $wordCount";
?>
OUTPUT:
Number of words in the string: 5
```

c. Reverse a string.

```
<?php
$myString = "Hello, World!";
$reversedString = strrev($myString);
echo "Reversed string: $reversedString";
?>
OUTPUT:
Reversed string: !dlroW ,olleH
```

d. Search for a specific string.

```
<?php
$myString = "This is a sample sentence.";
$searchString = "sample";
if (strpos($myString, $searchString) !== false) {
    echo "String '$searchString' found in the given string.";
} else {
    echo "String '$searchString' not found in the given string.";</pre>
```

```
};
```

OUTPUT:

String 'sample' found in the given string.

3. Write a PHP script to merge two arrays and sort them as numbers, in descending order.

```
<?php
$a1 = [1, 3, 15, 7, 5];
$a2 = [4, 3, 20, 1, 6];
$num = array_merge($a1, $a2);
array_multisort($num, SORT_DESC, SORT_NUMERIC);
print_r($num);
?>

OUTPUT:

Array([0] => 20[1] => 15[2] => 7[3] => 6[4] => 5[5] => 4[6] => 3[7] => 3[8] => 1[9] => 1)
```

4. Write a PHP script that reads data from one file and write into another file.

```
<?php
// Input file path
$inputFilePath = 'input.txt';
// Output file path
$outputFilePath = 'output.txt';
// Check if the input file exists
if (file exists($inputFilePath)) {
    // Read data from the input file
    $data = file get contents($inputFilePath);
    // Check if the data is successfully read
    if ($data !== false) {
        // Write data to the output file
        $writeSuccess = file put contents($outputFilePath, $data);
        // Check if writing to the output file is successful
        if ($writeSuccess !== false) {
            echo "Data successfully copied from '$inputFilePath' to
'$outputFilePath'.";
        } else {
            echo "Error writing to '$outputFilePath'.";
        }
    } else {
        echo "Error reading data from '$inputFilePath'.";
    }
} else {
    echo "Input file '$inputFilePath' does not exist.";
?>
OUTPUT:
Data successfully copied from 'input.txt' to 'output.txt'.
```

- 5. Develop static pages (using Only HTML) of an online book store. The pages should resemble: www.amazon.com. The website should consist the following pages.
 - a) Home page
 - b) Registration and user Login
 - c) User Profile Page
 - d) Books catalog
 - e) Shopping Cart
 - f) Payment By credit card
 - g) Order Conformation
 - a) Home page

```
Main.html:
<html>
    <head>
        <title>
            Amazon
        </title>
    </head>
    <body bgcolor="cyan">
        <center>
            <strong>
                <h1>Welcome to AMAZON</h1>
            </strong>
            <form method="post" action="login.html" target=" blank">
                <h4>for books</h4>
                <input type="submit" value="click here" />
            </form>
        </center>
    </body>
</html>
```

b) Registration and user Login

Login.html

```
</center>
  <h4>user name</h4>
           <input type="text" />
           <h4>password</h4>
           <input type="password" />
           <
        >
             <form method="post" action="catalog.html">
                <input type="submit" value="submit" />
             </form>
           <form method="post" action="reg.html">
                <input type="submit" value="register" />
                  
                <input type="reset" value="reset" />
             </form>
           </body>
</html>
```

Registration page

reg.html

```
<h4>Username</h4>
            <input type="text" name="username">
         <h4>Password</h4>
            <input type="password" name="password">
         >
            <h4>Confirm Password</h4>
            <input type="password" name="confirm_password">
         <h4>Gender</h4>
            <input type="radio" name="sex" id="male">
               <label for="male">Male</label>
               <input type="radio" name="sex" id="female">
               <label for="female">Female</label>
            <h4>Address</h4>
            <textarea name="address" rows="5" cols="19" >
            </textarea>
         <input type="submit" value="Submit">
               <input type="reset" value="Reset">
            </form>
</body>
</html>
```

c) User Profile Page

userprofile.html

```
<h4>Edit Username</h4>
            <input type="text" name="edit_username">
         <h4>Edit Password</h4>
            <input type="password" name="edit_password">
         <h4>Gender</h4>
            >
               <input type="radio" name="sex" id="male">
               <label for="male">Male</label>
               <input type="radio" name="sex" id="female">
               <label for="female">Female</label>
            <h4>Edit Address</h4>
            <textarea name="edit_address" rows="5" cols="19">
            </textarea>
         <input type="submit" value="Submit">
            </form>
</body>
</html>
```

d) Books catalog

Shopping.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Books Catalog</title>
</head>
<body bqcolor="cyan">
   <center><h1>AMAZON</h1></center>
   <form method="post" action="shopping.html">
      <b><h3>Frontend Books</h3></b>
         <
            <h4>C&Ds</h4>
```

```
<
         <h4>Ads</h4>
      <h4>JAVA</h4>
      <b><h3>Backend Books</h3></b>
      <h4>Oracle</h4>
      <
         <h4>Ms SQL Server</h4>
      <h4>MySq1</h4>
       <center>
      <b>For buying one of these books</b><br>
       <input type="submit" value="Click Here">
    </center>
  </form>
</body>
</html>
```

e) Shopping Cart

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
   <title>Shopping Cart</title>
</head>
<body bqcolor="cyan">
   <center><h1>Shopping Cart</h1></center>
   Text Books
          <select name="selected book">
                  <optgroup label="Select the book">
                     <option value="C&Ds">C&Ds</option>
                     <option value="Ads">Ads</option>
```

```
<option value="Java">Java</option>
                    <option value="Oracle">Oracle</option>
                    <option value="Ms SQL Server"> Ms SQL Server
                  </option>
                    <option value="MySql">MySql</option>
                </optgroup>
             </select>
         Quantity
         <input type="text" id="q" name="quantity">
         <form method="post" action="payment.html">
                <input type="submit" value="OK">
             </form>
         <center>
      Cost of one book is "500" + shipping "100"
   </center>
</body>
</html>
```

f) Payment By credit card

Payment.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
   <title>Payment</title>
</head>
<body bgcolor="cyan">
   <center><h1>Payment By Credit Card</h1></center>
   <form method="post" action="ordrconform.html">
      <h4>Total Amount</h4>
             <input type="text" name="total_amount">
          <h4>Credit Card Number</h4>
```

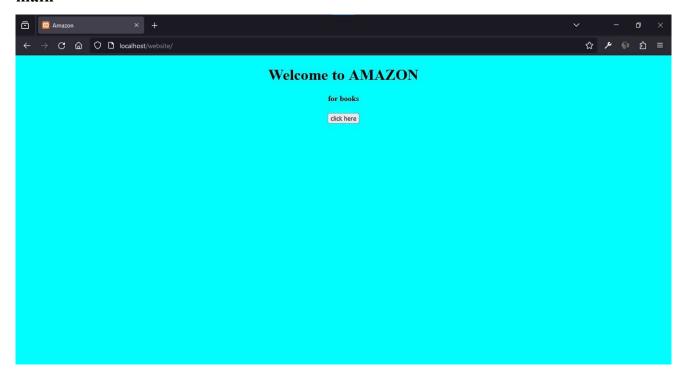
g) Order Conformation

Ordrconform.html

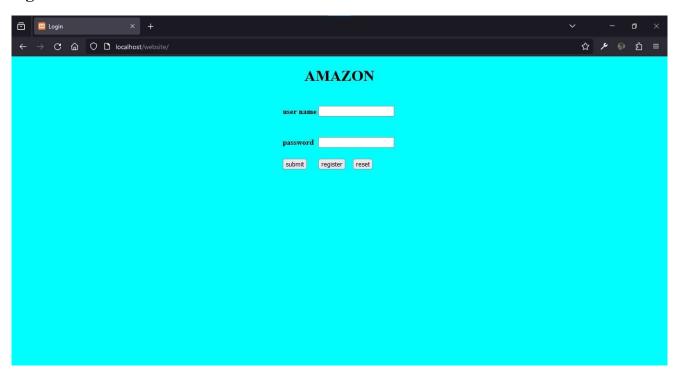
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
    <title>Order Confirmation</title>
</head>
<body bgcolor="cyan">
    <center>
        <h1><b>BOOK SHOPPING</b></h1>
        <strong>Your order is Confirmed</strong>
        <h2><b>THANK YOU</b></h2>
    </center>
</body>
</html>
```

OUTPUT:

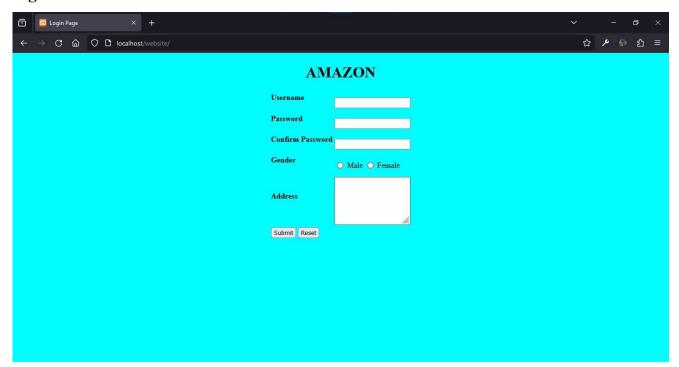
main



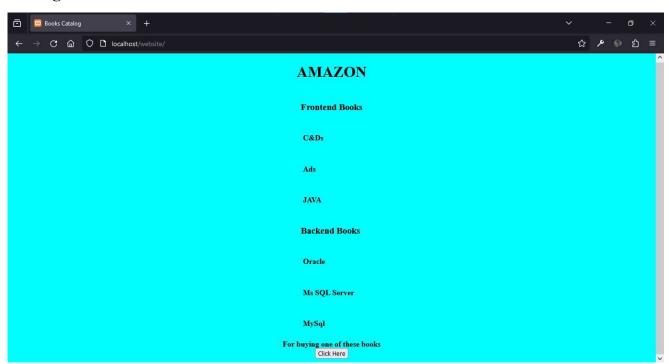
login



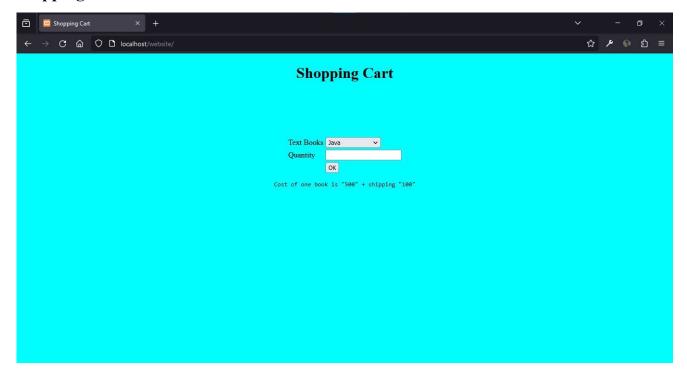
registration



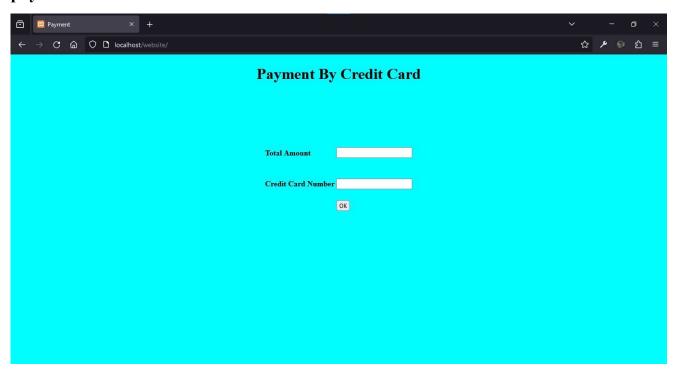
catalog



shopping cart



payment



Order conformation



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

Homepage:

main.html:

top.html:

right.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Welcome to Online Book Storage</title>
        </head>

        <br/>
        <br/>
        <br/>
        <h2 align="center">
```

```
<b>
        >
          Welcome to Online Book Storage. Press login if you have an ID;
          otherwise, press registration.
        </b>
    </h2>
  </body>
</html>
Left.html
<!DOCTYPE html>
<html>
<head>
    <title>Navigation Menu</title>
</head>
<body bgcolor="pink">
    <h3>
        <u1>
            <a href="login.html" target="right"> <font</pre>
color="black">LOGIN</font> </a><br><br>
```

 <font

 <font

 <font

 <font</pre>

color="black">USER PROFILE

color="black">BOOKS CATALOG

color="black">SHOPPING CART

color="black">PAYMENT

Registration and user Login Login.html:

</h3>

</body>

</html>

```
<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) {
                alert("VALID INPUT");
                window.open("catalog.html", "right");
            } else {
                alert("INVALID INPUT");
    </script>
    <form name="myform">
        <div align="center">
            LOGIN ID:<input type="text" name="id"><br>
                PASSWORD:<input type="password" name="pwd"><br><br><br>
            <input type="button" value="OK" onClick="validate()" />
               
            <input type="reset" value="Clear" />
        </div>
    </form>
</body>
</html>
User profile page
Profile.html:
<!DOCTYPE html>
<html>
<head>
    <title>Registration Page</title>
</head>
<body bqcolor="pink">
    <br><</pre>
    <script type="text/javascript">
        function validate() {
            var flag = 1;
            if (document.myform.name.value == "" ||
                document.myform.addr.value == "" ||
                document.myform.phno.value == "" ||
                document.myform.id.value == "" ||
                document.myform.pwd.value == "") {
                alert("Enter all the details");
                flag = 0;
```

```
var str = document.myform.phno.value;
            var x = \text{new RegExp("\d", "g")};
            if (!(str.match(x))) {
                if (!(str.length == 10))
                    flag = 0;
            }
            var str1 = document.myform.id.value;
            var x1 = new RegExp(^{(n_{A-Z})[a-zA-Z]+\$}, ^{(g)};
            if (!(str1.match(x1))) {
                flag = 0;
                alert("Invalid UserID");
            }
            var str2 = document.myform.pwd.value;
            var x2 = new RegExp("^[A-Z][a-zA-Z]+$", "g");
            if (!(str2.match(x2))) {
                if (flag == 1) {
                    flag = 0;
                    alert("Invalid password");
                alert("VALID INPUT");
                window.self.location.href = "login.html";
            } else {
                alert("INVALID INPUT");
                document.myform.focus();
            }
    </script>
    <form name="myform">
        <div align="center">
            NAME :<input type="text" name="name"><br>
                ADDRESS :<input type="text" name="addr"><br>
                CONTACT NUMBER:<input type="text" name="phno"><br>
                LOGINID :<input type="text" name="id"><br>
                PASSWORD :<input type="password" name="pwd">
            <br><br>>
        </div>
        <div align="center">
            <input type="button" value="OK" onClick="validate()">
               
            <input type="reset" value="Clear">
        </div>
    </form>
</body>
</html>
Books catalog:
```

}

```
<!DOCTYPE html>
<html>
  <head>
    <title>Validation Page</title>
 </head>
  <body bgcolor="pink">
    <br /><br /><br />
    <script language="javascript">
      function validate() {
        var flag = 1;
        if (document.myform.title.value == "") {
         flag = 0;
       var str = document.myform.title.value;
        if (str == "c" || str == "C") {
          // Accredited by NAAC
          document.myform.t1.value = "C";
          document.myform.t2.value = 444;
        } else if (str == "jsp" || str == "JSP") {
          document.myform.t1.value = "JSP";
          document.myform.t2.value = 555;
        } else {
          flag = 0;
        }
        if (flag === 0) {
          alert("Invalid input");
      }
    </script>
    <form name="myform">
      <div align="center">
        Title: <input type="text" name="title"><br>
            <input type="button" value="Submit" onClick="validate()">
        <input type="hidden" name="t1" />
        <input type="hidden" name="t2" />
      </div>
    </form>
  </body>
</html>
```

Shopping cart:

scart.html:

```
<!DOCTYPE html>
```

```
<html>
 <head>
   <title>Validation and Form Submission</title>
  </head>
 <body bgcolor="pink">
   <br /><br /><br />
   <script language="javascript">
     function validate() {
       var flag = 1;
       if (
         ocument.myform.id.value == "" ||
         document.myform.title.value == "" ||
         document.myform.no.value == "" ||
         document.myform.cost.value == ""
       ) {
         flag = 0;
       var str = document.myform.title.value;
       var str1 = document.myform.cost.value;
       if (!((str === "c" && str1 == 444)||(str==="jsp" && str1 == 555))) {
         // Accredited by NAAC
         if (flag === 1) {
           alert("VALID INPUT");
           flag = 0;
         } else {
           alert("INVALID INPUT");
           document.myform.focus();
         }
     }
   </script>
   <form name="myform" action="scart.html" target="right">
     <div align="center">
       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>
           <br /><br />
     </div>
     <br /><br />
      <div align="center">
       <input type="button" value="Submit" onClick="validate()" />
          
       <input type="reset" value="Clear" />
     </div>
   </form>
  </body>
```

Payment by creditcard

payment.html

```
<!DOCTYPE html>
<html>
 <head>
    <title>Validation and Form Submission</title>
 </head>
 <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 == ""
        ) {
         flag = 0;
        var str = document.myform.amount.value;
        var x = \text{new RegExp("}\d", "g");
        if (!str.match(x)) {
          flag = 0;
        }
        if (flag == 1) {
          alert("VALID INPUT");
          window.self.location.href = "order.html";
        } else {
          alert("INVALID INPUT");
          document.myform.focus();
        }
      }
    </script>
    <form name="myform">
      <div align="center">
        LOGINID :<input type="text" name="id"><br>
                PASSWORD :<input type="password" name="pwd"><br>
                AMOUNT :<input type="text" name="amount"><br>
                CREDITCARDNUMBER :<input type="password" name="num"><br>
            <br /><br />
```

```
</div>
<br /><br /><br />
<br />
<input type="button" value="Submit" onClick="validate()" />
&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
<input type="reset" value="Clear" />
</div>
</div>
</form>

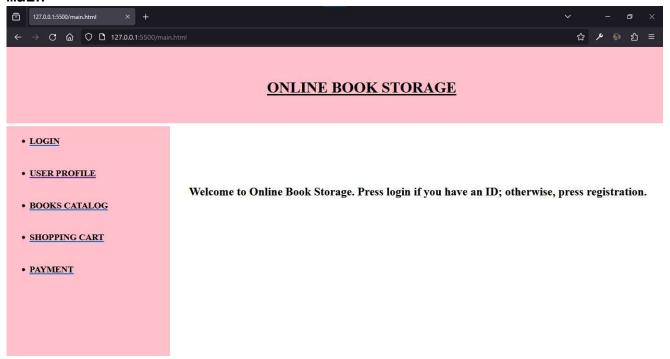
cp align="center">Accredited by NAAC
</body>
</html>
```

Order Conformation

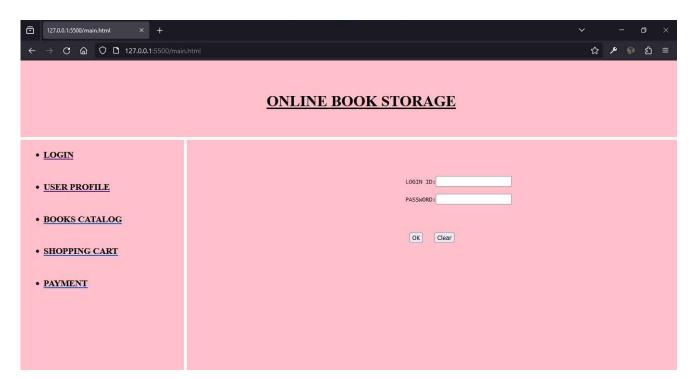
Order.html

OUTPUT:

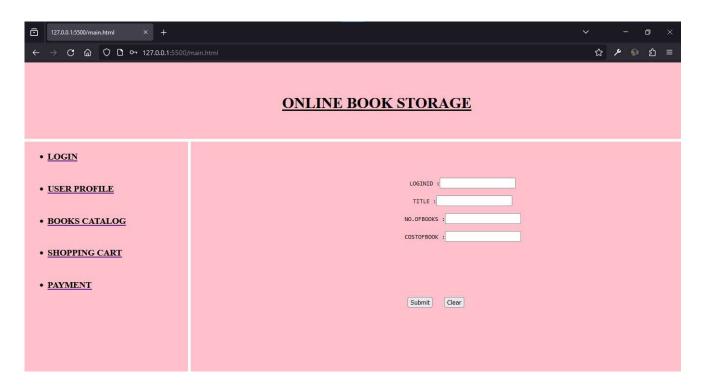
main



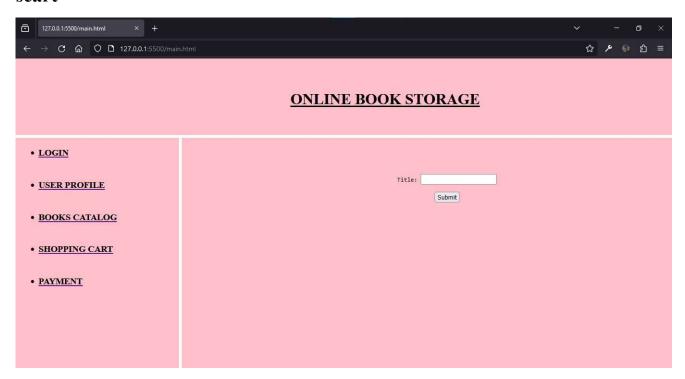
login



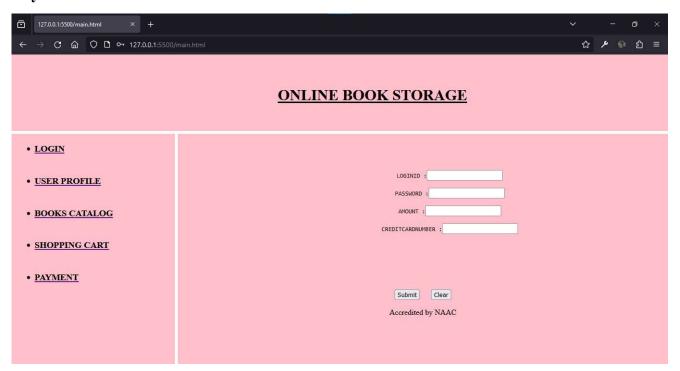
catalog



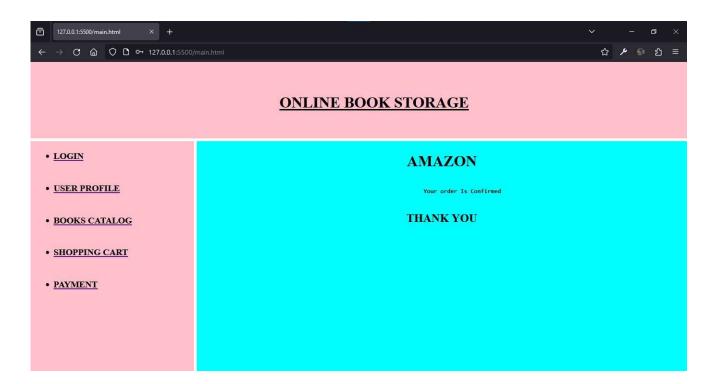
scart



Payment



Order



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.

emp.xml

```
<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
  </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
        <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">
```

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 args[]) throws Exception {
        DocumentBuilderFactory factory =
DocumentBuilderFactory.newInstance();
        DocumentBuilder builder = factory.newDocumentBuilder();
        // Build Document
        Document document = builder.parse(new
File("H:/XAMPP/tomcat/webapps/SSIT/emp.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.print("enter employee id:");
        Scanner \underline{s} = new Scanner(System.in);
        String id = s.next();
        for (int temp = 0; temp < nList.getLength(); temp++) {</pre>
            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: 999
First Name : David
Last Name:Feezor

Location:USA

8. Install TOMCAT web server. Convert the static web pages of assignments 2 into dynamic web pages 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(e.g., tr) in the \tomcat\webapps. Under tr create WEB-INF directory and 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 install dir>tomcat>bin Catalina.bat run at the I.E(web browser) give the url as http://localhost:8080//tr/html file or servlet url pattern Port no 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 Definitions -->
    <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>order</servlet-name>
        <servlet-class>order</servlet-class>
    </servlet>
        <servlet>
```

```
<servlet-name>order</servlet-name>
        <servlet-class>order</servlet-class>
    </servlet>
    <!-- Servlet Mappings -->
    <servlet-mapping>
        <servlet-name>reg</servlet-name>
        <url-pattern>/reg</url-pattern>
    </servlet-mapping>
    <servlet-mapping>
        <servlet-name>login</servlet-name>
        <url-pattern>/login</url-pattern>
    </servlet-mapping>
    <servlet-mapping>
        <servlet-name>profile</servlet-name>
        <url-pattern>/profile</url-pattern>
    </servlet-mapping>
    <servlet-mapping>
        <servlet-name>order</servlet-name>
        <url-pattern>/order</url-pattern>
    </servlet-mapping>
</web-app>
main.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>ONLINE BOOK STORAGE</title>
  </head>
  <body bgcolor="pink">
    <br /><br /><br /><br /><br />
    <h1 align="center"><u>ONLINE BOOK STORAGE</u></h1>
    <br /><br /><br />
    <h2 align="center">
      <b>
            Welcome to online book storage.
            Press LOGIN if you are having an ID;
            otherwise, press REGISTRATION
            </b>
```

```
</h2>
    <div align="center"><a href="/tr/login.html">LOGIN</a> <a</pre>
       href="/tr/reg.html">REGISTRATION</a></div>
    </body>
</html>
login.html
<html>
  <head>
    <title>Login Form</title>
  </head>
  <body bqcolor="pink">
    <br /><br /><br />
   <form name="myform" method="post" action="/tr/login">
      <div align="center">
       LOGIN ID :<input type="text" name="id" /><br />
               PASSWORD :<input type="password" name="pwd" />
           <br /><br />
     </div>
     <br /><br />
      <div align="center">
       <input</pre>
         type="submit"
         value="OK"
         onclick="validate()"
       />     
       <input type="reset" value="Clear" />
     </div>
    </form>
  </body>
</html>
reg.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Registration Form</title>
  </head>
  <body bqcolor="pink">
    <br /><br />
   <form name="myform" method="post" action="/tr/reg">
      <div align="center">
       NAME :<input type="text" name="name" /><br/>
               ADDRESS :<input type="text" name="addr" /><br />
               CONTACT NUMBER :<input type="text" name="phno" /><br />
               LOGIN ID :<input type="text" name="id" /><br/>
```

```
PASSWORD :<input type="password" name="pwd" />
           <br /><br />
     </div>
     <br /><br />
     <div align="center">
       <input
         type="submit"
         value="OK"
         onclick="validate()"
       />     
       <input type="reset" value="Clear" />
     </div>
   </form>
 </body>
</html>
profile.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
   <title>Profile Form</title>
 </head>
 <body bgcolor="pink">
   <br /><br /><br />
   <form name="myform" method="post" action="/tr/profile">
     <div align="center">
       Sai Spurthi Institute of Technology
       (Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
       Gangaram (Village), Sathupally (Mandal), Khammam Dist, TS-507303
       Accredited by NAAC
           LOGIN ID :<input type="text" name="id" />
           <br /><br />
     </div>
     <br /><br />
     <div align="center">
       <input
         type="submit"
         value="OK"
         onclick="validate()"
       />     
       <input type="reset" value="Clear" />
     </div>
   </form>
  </body>
</html>
```

catalog.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Catalog Form</title>
  </head>
  <body bgcolor="pink">
    <br /><br /><br />
    <form method="post" action="/tr/catalog">
      <div align="center">
        BOOK TITLE :<input type="text" name="title" /><br />
            <br /><br />
      </div>
      <br /><br />
      <div align="center">
        <input</pre>
          type="submit"
         value="OK"
          name="button1"
        />     
        <input type="reset" value="Clear" name="button2" />
      </div>
    </form>
  </body>
</html>
order.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Registration Form</title>
  </head>
  <body bgcolor="pink">
    <br /><br />
    <form method="post" action="/tr/reg">
      <div align="center">
        :<input type="text" name="name" /><br />
           NAME
                               :<input type="password" name="pwd"/><br />
           PASSWORD
                               :<input type="text" name="title" /><br />
           TITLE
                               :<input type="text" name="no" /><br />
           NO. OF BOOKS
                               :<input type="text" name="date" /><br />
           DATE
           CREDIT CARD NUMBER :<input type="password" name="cno" />
          <br /><br />
      </div>
      <br /><br />
```

```
<div align="center">
        <input
         type="submit"
         value="OK"
         name="button1"
        />     
        <input type="reset" value="Clear" name="button2" />
      </div>
    </form>
    <!-- Additional Information -->
    <div align="center">
      Sai Spurthi Institute of Technology
        (Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
        Gangaram (Village), Sathupally (Mandal), Khammam Dist, TS-507303
       Accredited by NAAC
        </div>
  </body>
</html>
Login.java
import java.sql.*;
import java.io.*;
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 {
           Class.forName("com.mysql.cj.jdbc.Driver");
           Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
           Statement stmt = con.createStatement();
            String sqlStmt = "select id, password from login";
           ResultSet rs = stmt.executeQuery(sqlStmt);
           int flag = 0;
           while (rs.next()) {
               if (id.equals(rs.getString(1)) &&
pwd.equals(rs.getString(2))) {
                   flag = 1;
```

```
}
            if (flag == 0) {
                // College Information
                pw.println("Sai Spurthi Institute of Technolugy");
                pw.println("(Approved by AICTE, New Delhi, Affiliated to
JNTUH, Hyderabad)");
                pw.println("Gangaram (Village), Sathupally (Mandal), Khammam
Dist, TS-507303");
                pw.println("Accredited by NAAC");
            } else {
                pw.println("SORRY INVALID ID. TRY AGAIN ID<br><br>");
                pw.println("<a href=\"/tr/login.html\">Press LOGIN to
RETRY</a><br>>");
                pw.println("VALID LOGIN ID<br><br>");
                pw.println("<h3>");
                pw.println("<a href=\"profile.html\"><font</pre>
color=\"black\">USER PROFILE</font></a><br>>");
                pw.println("<a href=\"catalog.html\"><font</pre>
color=\"black\">BOOKS CATALOG</font></a><br>>");
                pw.println(
                        "<a href=\"order.html\"><font</pre>
color=\"black\">ORDER CONFIRMATION</font></a><br>");
            }
            pw.println("</body></html>");
        } catch (Exception e) {
            resp.sendError(500, e.toString());
        }
    }
}
Reg.java
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Reg 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");
        String id = req.getParameter("id");
        String pwd = req.getParameter("pwd");
        int no = Integer.parseInt(phno);
        try {
```

```
Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
            Statement stmt = con.createStatement();
            String sqlstmt = "select id, password from login";
            ResultSet rs = stmt.executeQuery(sqlstmt);
            int flag = 0;
            while (rs.next()) {
                if (id.equals(rs.getString(1)) &&
pwd.equals(rs.getString(2))) {
                    flag = 1;
                }
            }
            if (flag == 1) {
                pw.println("SORRY INVALID ID ALREADY EXISTS. TRY AGAIN WITH
A NEW ID<br>>");
                pw.println("<a href=\"/tr/reg.html\">Press REGISTER to
RETRY</a>");
            } else {
                Statement stmt1 = con.createStatement();
                stmt1.executeUpdate("insert into login values('" + name +
"','" + addr + "'," + no + ",'" + id + "','" + pwd + "')");
                pw.println("YOUR DETAILS ARE ENTERED<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());
    }
}
Catalog.java
import java.sql.*;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Catalog 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 {

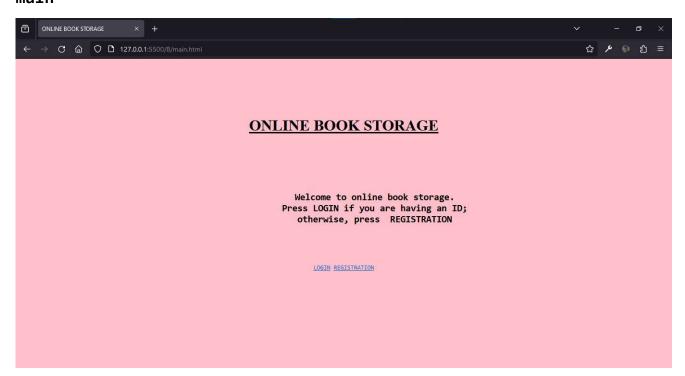
```
Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
            String sqlstmt = "select title, author, publisher, cost from
books where title = ?";
            PreparedStatement preparedStatement =
con.prepareStatement(sqlstmt);
            preparedStatement.setString(1, title);
            ResultSet rs = preparedStatement.executeQuery();
            int flag = 0;
            while (rs.next()) {
                pw.println("<div align=\"center\">");
                pw.println("TITLE: " + rs.getString("title") + "<br>");
                pw.println("AUTHOR: " + rs.getString("author") + "<br>");
                pw.println("PUBLISHER: " + rs.getString("publisher") +
"<br>");
                pw.println("COST: " + rs.getString("cost") + "<br>");
                pw.println("</div>");
                flag = 1;
            }
            if (flag == 0) {
                pw.println("SORRY INVALID TITLE. TRY AGAIN <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 javax.servlet.*;
import javax.servlet.http.*;
public class Profile 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");
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
            String sqlstmt = "select * from login where id=?";
            PreparedStatement preparedStatement =
con.prepareStatement(sqlstmt);
            preparedStatement.setString(1, id);
            ResultSet rs = preparedStatement.executeQuery();
            int flag = 0;
            pw.println("<br><br><");</pre>
            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>>");
                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 javax.servlet.*;
import javax.servlet.http.*;
public class Order 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");
```

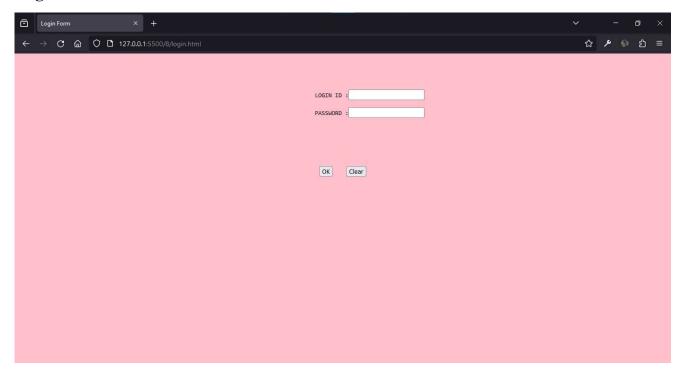
```
String cno = req.getParameter("cno");
        int count = Integer.parseInt(count1);
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
            // Check login credentials
            Statement stmt = con.createStatement();
            String loginQuery = "SELECT id, password FROM login WHERE id='"
+ id + "' AND password='" + pwd + "'";
            ResultSet rs = stmt.executeQuery(loginQuery);
            int flag = 0, amount, x;
            while (rs.next()) {
                flag = 1;
            }
            if (flag == 0) {
                pw.println("SORRY INVALID ID OR PASSWORD. TRY
AGAIN<br><br>");
                pw.println("<a href=\"/tr/order.html\">Press HERE to
RETRY</a>");
            } else {
                // Fetch cost of the book
                Statement stmt2 = con.createStatement();
                String bookQuery = "SELECT cost FROM book WHERE title='" +
title + "'";
                ResultSet rs1 = stmt2.executeQuery(bookQuery);
                int flag1 = 0;
                while (rs1.next()) {
                    flag1 = 1;
                    x = Integer.parseInt(rs1.getString("cost"));
                    amount = count * x;
                    pw.println("AMOUNT: " + amount + "<br><br><br>");
                    // Insert into details table
                    Statement stmt1 = con.createStatement();
                    String insertQuery = "INSERT INTO details VALUES('" + id
+ "','" + title + "'," + amount + ",'" + cno + "')";
                    stmt1.executeUpdate(insertQuery);
                    pw.println("YOUR ORDER has been taken<br>>");
                }
```

OUTPUT:

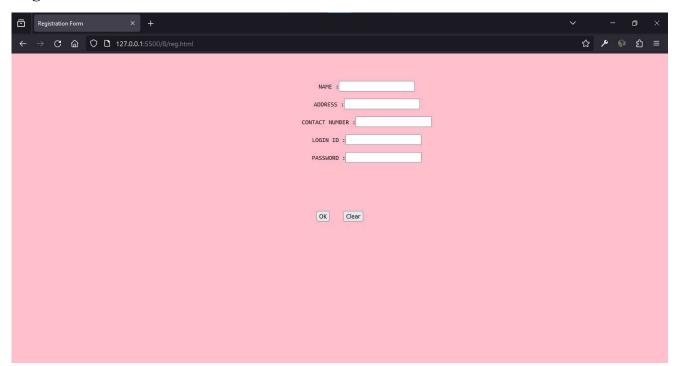
main



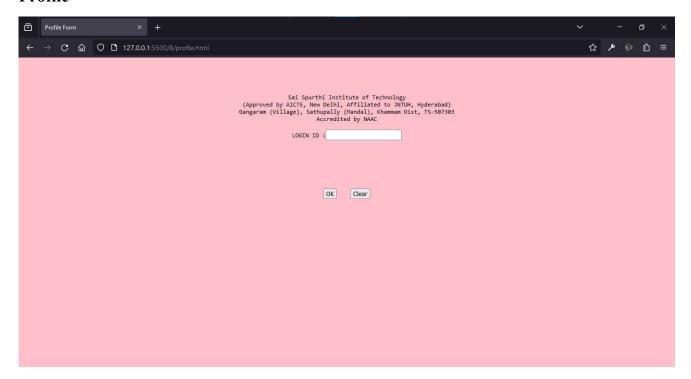
Login



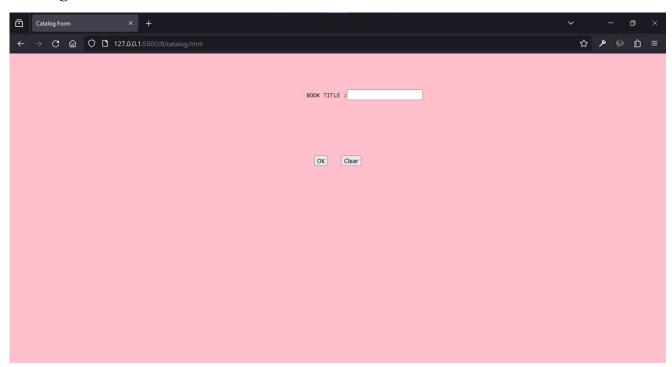
Registration



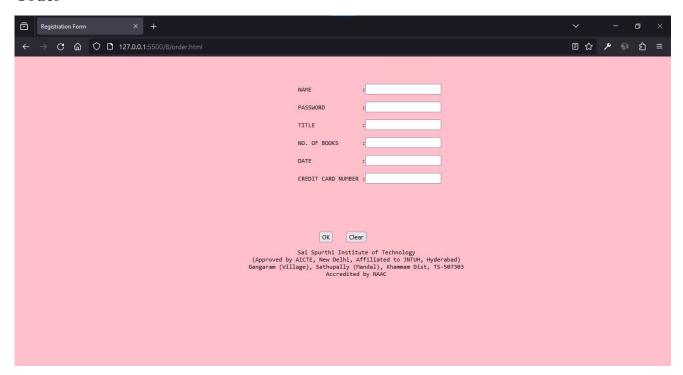
Profile



Catalog



Order



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.

Procedure

- 1) Create your own directory under tomcat/webapps (e.g.tr1)
- 2) Copy the html files in tr1
- 3) Copy the jsp files also into tr1
- 4) Start tomcat give the following command Catalina.bat run at install-dir/bin
- 5) at I.E give url as http://localhost:8081/tr1/main.html

main.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>ONLINE BOOK STORAGE</title>
  </head>
  <body bgcolor="pink">
    <br /><br /><br /><br /><br /><
    <h1 align="center"><u>ONLINE BOOK STORAGE</u></h1>
    <br /><br /><br />
    <h2 align="center">
      <b>
           Welcome to online book storage.
           Press LOGIN if you are having an ID;
           otherwise, press REGISTRATION
           </b>
        </h2>
    <div align="center"><a href="/tr1/login.html">LOGIN</a> <a</pre>
       href="/tr/reg.html">REGISTRATION</a></div>
   </body>
</html>
```

login.html

```
<html>
    <head>
        <title>Login Form</title>
        </head>
    <body bgcolor="pink">
        <br /><br /><br /><
```

```
<form name="myform" method="post" action="/tr1/login">
     <div align="center">
       LOGIN ID :<input type="text" name="id" /><br />
               PASSWORD :<input type="password" name="pwd" />
           <br /><br />
     </div>
     <br /><br />
     <div align="center">
       <input
         type="submit"
         value="OK"
         onclick="validate()"
       />     
       <input type="reset" value="Clear" />
     </div>
   </form>
 </body>
</html>
reg.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
   <title>Registration Form</title>
  </head>
 <body bgcolor="pink">
   <br /><br />
   <form name="myform" method="post" action="/tr1/reg.jsp">
     <div align="center">
       NAME :<input type="text" name="name" /><br/>
               ADDRESS :<input type="text" name="addr" /><br />
               CONTACT NUMBER :<input type="text" name="phno" /><br />
               LOGIN ID :<input type="text" name="id" /><br/>
               PASSWORD :<input type="password" name="pwd" />
           <br /><br />
     </div>
     <br /><br />
     <div align="center">
       <input
         type="submit"
         value="OK"
         onclick="validate()"
       />
```

profile.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
 <head>
   <title>Profile Form</title>
 </head>
 <body bgcolor="pink">
   <br /><br /><br />
   <form name="myform" method="post" action="/tr1/profile.jsp">
     <div align="center">
       Sai Spurthi Institute of Technology
       (Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
       Gangaram (Village), Sathupally (Mandal), Khammam Dist, TS-507303
       Accredited by NAAC
           LOGIN ID :<input type="text" name="id" />
           <br /><br />
     </div>
     <br /><br />
     <div align="center">
       <input
         type="submit"
         value="OK"
         onclick="validate()"
       />     
       <input type="reset" value="Clear" />
     </div>
   </form>
 </body>
</html>
```

catalog.html

```
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Catalog Form</title>
  </head>
  <body bgcolor="pink">
    <br /><br /><br />
    <form method="post" action="/tr1/catalog.jsp">
      <div align="center">
        BOOK TITLE :<input type="text" name="title" /><br />
           <br /><br />
      </div>
      <br /><br />
      <div align="center">
        <input
         type="submit"
         value="OK"
         name="button1"
        />     
        <input type="reset" value="Clear" name="button2" />
      </div>
    </form>
  </body>
</html>
order.html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Registration Form</title>
  </head>
  <body bgcolor="pink">
    <br /><br />
    <form method="post" action="/tr1/order.jsp">
      <div align="center">
        :<input type="text" name="name" /><br />
           NAME
                              :<input type="password" name="pwd"/><br />
           PASSWORD
                              :<input type="text" name="title" /><br />
           TITLE
```

:<input type="text" name="no" />

NO. OF BOOKS

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```
:<input type="text" name="date" /><br />
           DATE
           CREDIT CARD NUMBER :<input type="password" name="cno" />
         <br /><br />
      </div>
      <br /><br />
      <div align="center">
       <input
         type="submit"
         value="OK"
         name="button1"
       />     
       <input type="reset" value="Clear" name="button2" />
     </div>
    </form>
    <!-- Additional Information -->
    <div align="center">
     Sai Spurthi Institute of Technology
       (Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
       Gangaram (Village), Sathupally (Mandal), Khammam Dist, TS-507303
       Accredited by NAAC
       </div>
  </body>
</html>
login.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");
try {
   // Load the MySQL JDBC driver
   Class.forName("com.mysql.cj.jdbc.Driver");
   // Establish a connection
   Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
   // Create a statement
   Statement stmt = con.createStatement();
```

```
// Execute SQL query
    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 OR PASSWORD. TRY AGAIN ID<br>>");
        out.println("<a href=\"/tr1/login.html\">press LOGIN to RETRY</a>");
    } else {
        out.println("VALID LOGIN ID<br>>");
        out.println("<h3>");
        out.println("<a href=\"profile.html\"><font color=\"black\">USER
PROFILE</font></a><br><br>");
        out.println("<a href=\"catalog.html\"><font</pre>
color=\"black\">BOOKS CATALOG</font></a><br>>");
        out.println("<a href=\"order.html\"><font color=\"black\">ORDER
CONFIRMATION</font></a><br>");
        out.println("");
    }
    out.println("</body></html>");
    // Close the connection
    con.close();
} catch (Exception e) {
    response.sendError(500, e.toString());
}
%>
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);
```

```
try {
  // Load the MySQL JDBC driver
  Class.forName("com.mysql.cj.jdbc.Driver");
  // Establish a connection
  Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/your database name"
, "your_username",
   "your_password");
  // Check if the login ID already exists
  Statement stmt = con.createStatement();
  String checkIdQuery = "SELECT id FROM login WHERE id='" + id + "'";
  ResultSet rs = stmt.executeQuery(checkIdQuery);
  int flag = 0;
  while (rs.next()) {
        flag = 1;
  }
  if (flag == 1) {
        out.println("SORRY LOGIN ID ALREADY EXISTS. TRY AGAIN WITH A NEW ID
<br><br>");
        out.println("<a href=\"/tr1/reg.html\">Press REGISTER to
RETRY</a>");
  } else {
        // Insert new user details
        Statement stmt1 = con.createStatement();
        String insertQuery = "INSERT INTO login VALUES('" + name + "','" +
addr + "'," + no + ",'" + id + "','" + pwd
        + "')";
        stmt1.executeUpdate(insertQuery);
        out.println("YOUR DETAILS ARE ENTERED <br>>");
        out.println("<a href=\"/tr1/login.html\">Press LOGIN to login</a>");
  }
  out.println("</body></html>");
  // Close the connection
  con.close();
} catch (Exception e) {
  response.sendError(500, e.toString());
%>
```

profile.jsp

```
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>
<%
out.println("<html><body bgcolor=\"pink\">");
String id = request.getParameter("id");
try {
    // Load the MySQL JDBC driver
    Class.forName("com.mysql.cj.jdbc.Driver");
    // Establish a connection
    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
    // Create a statement
    Statement stmt = con.createStatement();
    // Execute SQL query
    String sqlstmt = "SELECT * FROM login WHERE id='" + id + "'";
    ResultSet rs = stmt.executeQuery(sqlstmt);
    int flag = 0;
    while (rs.next()) {
        out.println("<div align=\"center\">");
        out.println("NAME: " + rs.getString(1) + "<br>");
        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>>");
        out.println("<a href=\"/tr1/profile.html\">Press HERE to
RETRY</a>");
    }
    out.println("</body></html>");
    // Close the connection
    con.close();
} catch (Exception e) {
    response.sendError(500, e.toString());
%>
```

catalog.jsp

```
<%@ page import="java.sql.*" %>
<%@ page import="java.io.*" %>
<%
out.println("<html><body bgcolor=\"pink\">");
String title = request.getParameter("title");
try {
    // Load the MySQL JDBC driver
    Class.forName("com.mysql.cj.jdbc.Driver");
    // Establish a connection
    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
    // Create a statement
    Statement stmt = con.createStatement();
    // Execute SQL query
    String sqlstmt = "SELECT * FROM book WHERE title='" + title + "'";
    ResultSet rs = 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 TITLE. TRY AGAIN <br>>");
        out.println("<a href=\"/tr1/catalog.html\">Press HERE to
RETRY</a>");
    }
    out.println("</body></html>");
    // Close the connection
    con.close();
} catch (Exception e) {
    response.sendError(500, e.toString());
%>
```

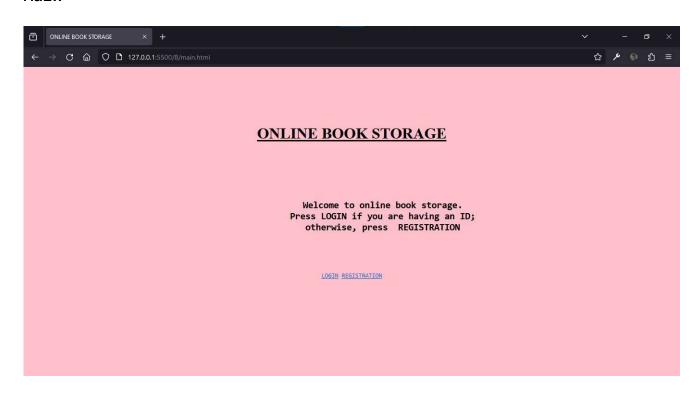
order.jsp

```
<%@ 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);
try {
  // Load the MySQL JDBC driver
  Class.forName("com.mysql.cj.jdbc.Driver");
  // Establish a connection
  Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/wt", "root", "");
  // Create a statement
  Statement stmt = con.createStatement();
  // Execute SQL query
  String sqlstmt = "SELECT id, password FROM login";
  ResultSet rs = 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>>");
        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>>");
```

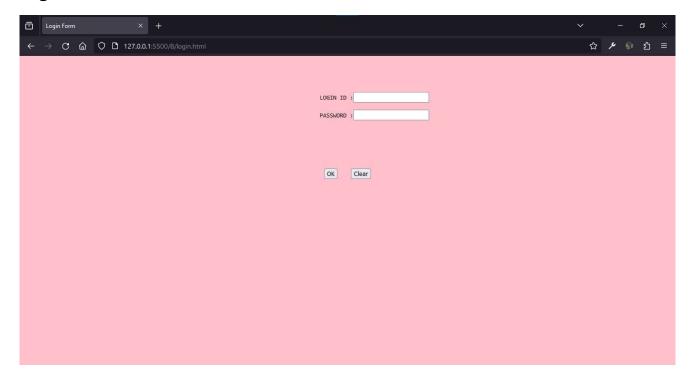
```
Statement stmt1 = con.createStatement();
stmt1.executeUpdate("INSERT INTO details (id, title, amount, date, cno)
VALUES ('" + id + "','" + title
              + "','" + amount + "','" + date + "','" + cno + "')");
  out.println("YOUR ORDER HAS TAKEN<br>");
   if (flag1 == 0) {
        out.println("SORRY INVALID BOOK TRY AGAIN <br>>");
        out.println("<a href=\"/tr1/order.html\">Press HERE to RETRY </a>");
   }
        }
   }
  out.println("</body></html>");
  // Close the connection
   con.close();
} catch (Exception e) {
   response.sendError(500, e.toString());
%>
```

OUTPUT:

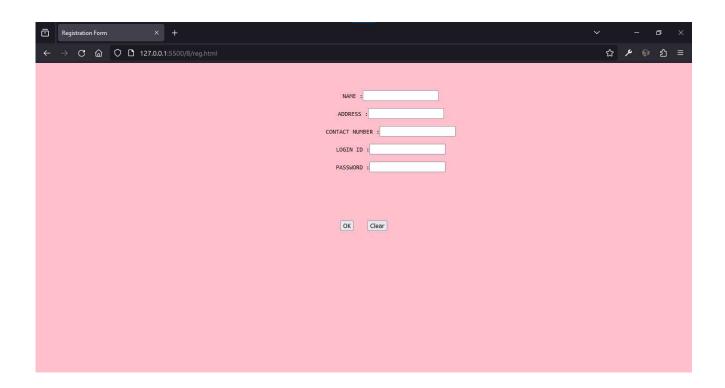
Main



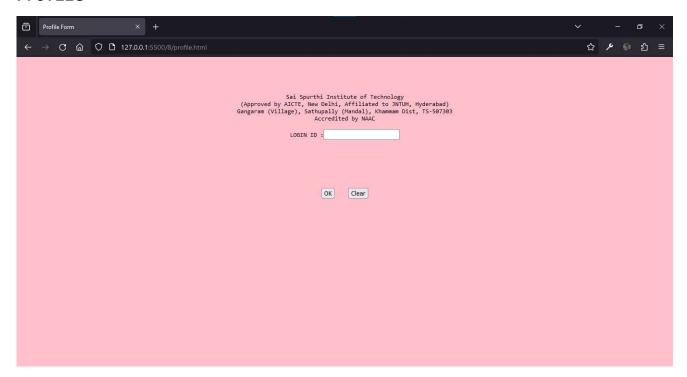
Login



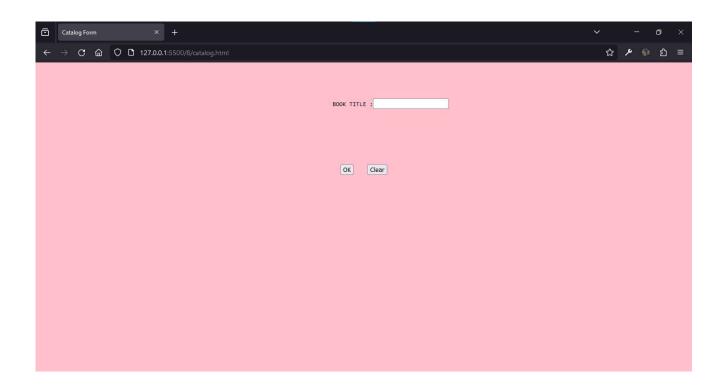
Registration



Profile



Catalog



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← → C 🚡 O 🗅 127.0.0.1:5500/8/order.html	🗄 ☆ 🗡 🐠 台 ≡
NAME :	
PASSWORD :	
TITLE :	
NO. OF BOOKS :	
DATE :	
CREDIT CARD NUMBER :	
OK Clear	
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(Approved by ATCTE, New Delhi, Affiliated to JNTUH, Hyderabad) Gangaram (Village), Sathupally (Mandal), Khammam Dist, TS-507303 Accredited by NAAC	