EX. NO. 1	IMAGE MAPPING
DATE:	

Aim:

To create a web page with the following using HTML

i) To embed an image map in a webpage
ii) To fix the hotspots
iii) Show all the related information when the hot spots areclicked.

Algorithm:

Step 1: Start the program.
Step 2: Get the India map image and link it to the package.
<imgsrc="flag.jpg">
<img align="right" src = "India Map.gif" usemap="#india">
Step 3: Fix the hotspots in that image.
Step 4: Map the reference of the hotspots in the image.
<area shape="circle" coords="274,745,20" href="tn.html">
Step 5: Mention the derived link.
Step 6: Click the link to get the desired image.
Step 7: Stop the program

Source Code:

Home.html:

```
<html>
<head>
<title>Home - States of India</title>
</head>
<body bgcolor="gold">
<h1><u><center>Republic of India</center></u></h1>
<p>
India is the Seventh Lagest country in the world by geographical area, the second most populous country with over 1.2 billion people, and the populus democracy in the world. India is a federal constitutional republic with a parliamentry democracy consisting of 28 states and 7 union Terriories.
</p>
<center>
<img align="center" size="100" src="indiamap.jpg" usemap="#india"/>
<map name="india">
<area shape="circle" coords="160,340,20" href="andhrapradesh.html">
```

```
<area shape="circle" coords="120,440,10" href="kerala.html">
<area shape="circle" coords="140,420,20" href="tamilnadu.html">
</map>
</center>
<h2> Features</h2>
<ul>
<li><b>Capital</b> - New Delhi
<li><b>Largest City</b> - Mumbai
<li><b>Currency</b> - Indian Rupee
<li><b>Time Format</b> - IST (UTC + 5:30)
<li><b>National Sport</b> - Hockey
<li><b>Current PM</b> - Narendra Modi
<li><b>Current President</b> - Pranab Mukerji
</li>
</ul>
<h2>
<b>To view details of states please click on the specified area in the map !!!</b>
</h2>
</body>
</html>
```

andhrapradesh.html

```
<html>
<head><title>Andhra Pradesh - India</title></head>
<body bgcolor="tan">
<h1><center>Andhra Pradesh</center></h1>
<h3>A.P., is a state situated on the southeastern coast of India. It is
India's fourth largest state by area and fifth largest by population.</h3>
<h3>
<ul>
<li>Districts<i> - 23</i>
<li>Capital City<i> - Hyderabad</i>
<li>Largest City<i> - Hyderabad</i>
<li>Governor<i> - E. S. L. Narasimhan</i>
<li>Chief Minister<i> - N. Kiran Kumar Reddy</i>
<li>Population<i> - 78,323,330</i>
<li>Tourist spots<i> - Tirumala Tirupati, Charminar, Golconda Fort, Chandragiri,
Chowmahalla Place, Falaknuma Palace etc.,</i>
</ul>
<a href="Home.html">back</a>
</body>
</html>
```

kerala.html

```
<html>
<head><title>Kerala - India</title></head>
<body bgcolor="indianred">
<h1><center>Kerala</center></h1>
<h3>
<ul>
<li>Districts<i> - 14</i>
<li>Capital City<i> - Thiruvanandapuram</i>
<li>Largest City<i> - Thiruvanandapuram</i>
<li>Governor<i> - Justice.P.Sadasivam</i>
<li>Chief Minister<i> -Oommen Chandy </i>
<li>Population<i> - 33,387,677</i>
<li>Tourist spots<i> - Edakkal Caves, Palayur, KovalamBeach,Munnar, Kochi, Alapuzha etc.,</i>
</ul>
</h3>
<a href="Home.html">Back</a>
</body>
</html>
```

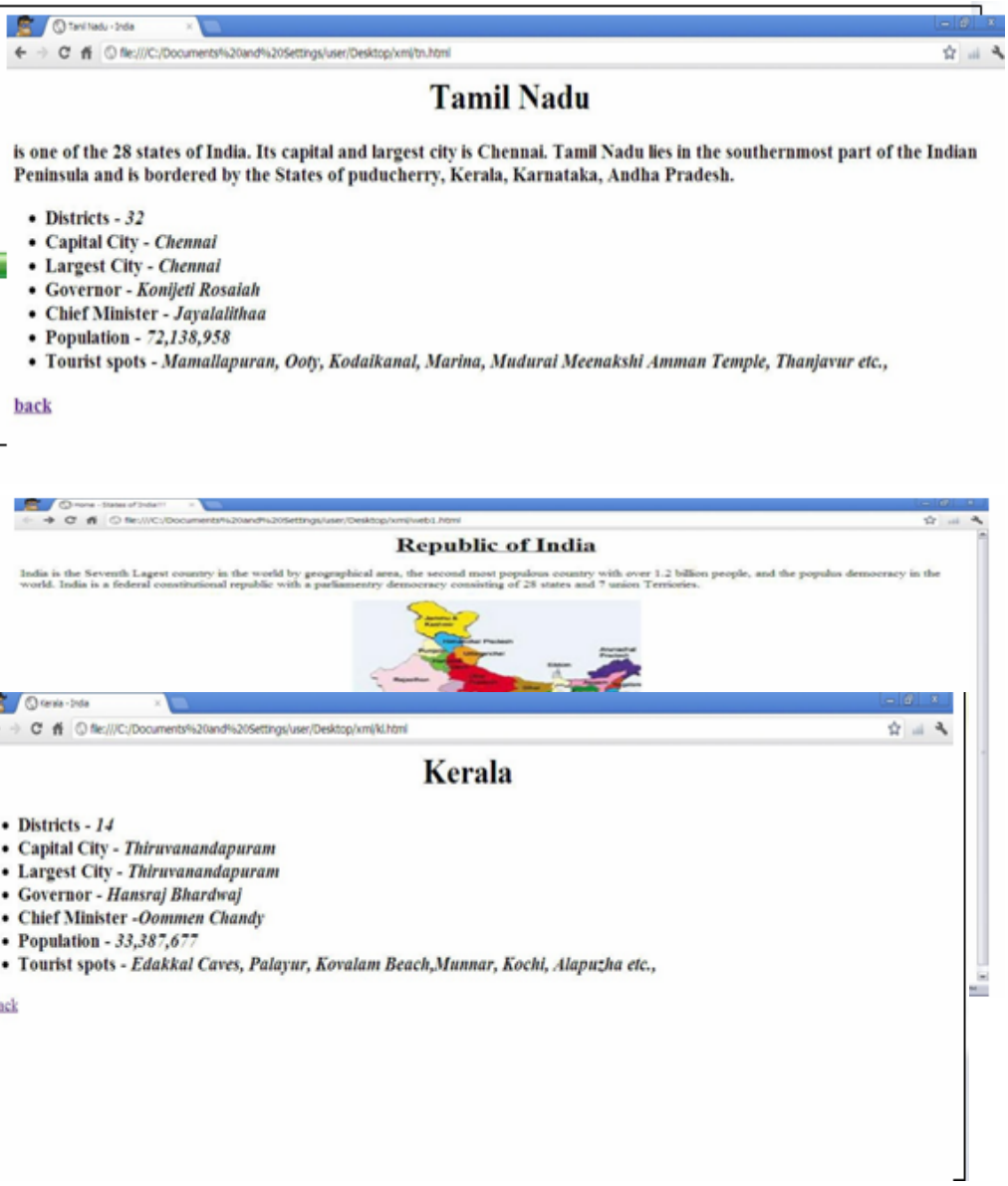
Tamilnadu.html

```
<html>
<head><title>Tanil Nadu - India</title></head>
<body bgcolor="palegreen">
<h1><center>Tamil Nadu</center></h1>
<h3>is one of the 28 states of India. Its capital and largest city is Chennai.
Tamil Nadu lies in the southernmost part of the Indian Peninsula and is bordered by the States of puducherry, Kerala, Karnataka, Andha Pradesh.
</h3>
<h3>
<ul>
<li>Districts<i> - 32</i>
<li>Capital City<i> - Chennai</i>
<li>Largest City<i> - Chennai</i>
<li>Governor<i> - KonijetiRosaiah</i>
<li>Chief Minister<i> - Jayalalithaa</i>
<li>Population<i> - 72,138,958</i>
<li>Tourist spots<i> - Mamallapuran, Ooty, Kodaikanal, Marina, Mudurai Meenakshi Amman Temple, Thanjavur etc.,</i>
</ul>
```

<a href=

</body>

Output:



Tamil Nadu

is one of the 28 states of India. Its capital and largest city is Chennai. Tamil Nadu lies in the southernmost part of the Indian Peninsula and is bordered by the States of puducherry, Kerala, Karnataka, Andha Pradesh.

- Districts - *32*
- Capital City - *Chennai*
- Largest City - *Chennai*
- Governor - *Konijeti Rosaiah*
- Chief Minister - *Jayalalithaa*
- Population - *72,138,958*
- Tourist spots - *Mamallapuran, Ooty, Kodaikanal, Marina, Mudurai Meenakshi Amman Temple, Thanjavur etc.,*

back

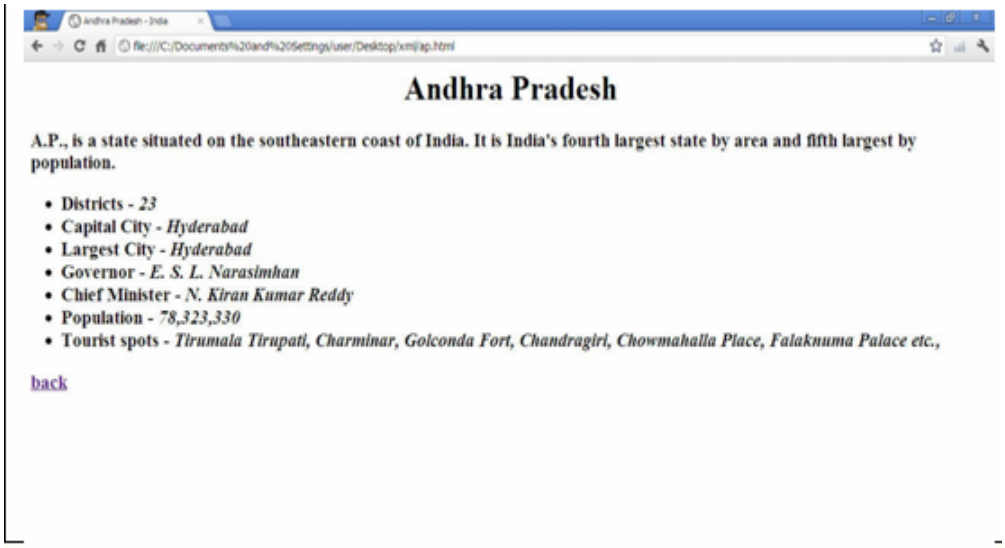
Republic of India

India is the Seventh Lagest country in the world by geographical area, the second most populous country with over 1.2 billion people, and the populus democracy in the world. India is a federal constitutional republic with a parliamentry democracy consisting of 28 states and 7 union Territories.

Kerala

- Districts - *14*
- Capital City - *Thiruvanandapuram*
- Largest City - *Thiruvanandapuram*
- Governor - *Hansraj Bhardwaj*
- Chief Minister -*Oommen Chandy*
- Population - *33,387,677*
- Tourist spots - *Edakkal Caves, Palayur, Kovalam Beach,Munnar, Kochi, Alapuzha etc.,*

Back



Andhra Pradesh

A.P., is a state situated on the southeastern coast of India. It is India's fourth largest state by area and fifth largest by population.

- Districts - *23*
- Capital City - *Hyderabad*
- Largest City - *Hyderabad*
- Governor - *E. S. L. Narasimhan*
- Chief Minister - *N. Kiran Kumar Reddy*
- Population - *78,323,330*
- Tourist spots - *Tirumala Tirupati, Charminar, Golconda Fort, Chandragiri, Chowmahalla Place, Falaknuma Palace etc.,*

back

Result:

Thus the program to create a webpage using with Image-map was executed and the output was verified successfully

EX. NO. 2	CASCADING STYLE SHEETS
DATE:	

Aim:

To write a webpage that displays college information using various style sheets.

Algorithm:

Step 1: Start the program.
Step 2: Create a web page with framesets consisting two frames.
Step 3: In the first frame include the links.
Step 4: In the second frameset display the webpage of the link.
Step 5: Create an external style sheets.
Step 6: Create an inline and internal style and make a link to the external style sheet.
Step 7: Stop the program.

Source Code:

xyz.css

```
body
{
    background-color:#c0c0c0;
}
.wrapper
{
```

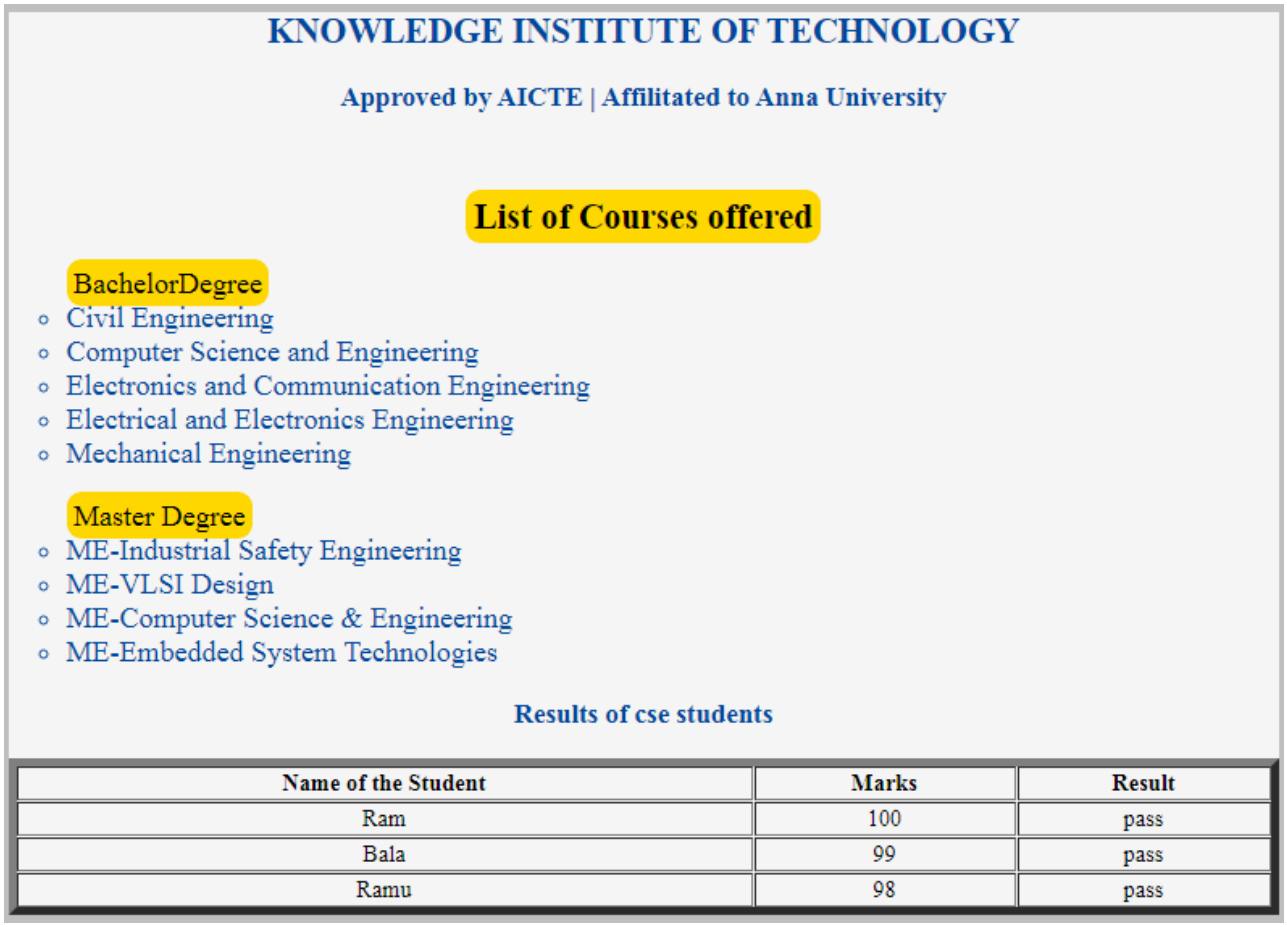
```
        margin:0 20%;
        background-color:#f6f6f6;
    }
    h3
    {
        color:#00489f;
        text-align:center;
    }
    h2
    {
        font-width:bold;
        color:#00489f;
        text-align:center;
    }
    ul
    {
        color:#00489f;
        font-size:20px;
    }
    .hgt
    {
        background-color:gold;
        color:#000;
        padding:5px;
        border-radius:10px;
    }
    font
    {
        font-family:georgia;
        color:blue;
        font-size:20;
}
ul
{
        list-style-type:circle;
}
```

College.html

```
 <html>
 <head>
 <title>USE of INTERNAL and EXTERNAL STYLESHEETS</title>
```

```
<link rel="stylesheet" href="xyz.css" type="text/css">

<style type="text/css">
</style>
</head>

<body>
<div class="wrapper">
<p tyle="font-size:20pt;color:#00489f;">
<h2>KNOWLEDGE INSTITUTE OF TECHNOLOGY</h2></p>
<p><h3>Approved by AICTE | Affilitated to Anna University</h3></p>
<br>
<h2><span class="hgt">List of Courses offered</span></h2>
<ul><span class="hgt">BachelorDegree</span>
<li>Civil Engineering</li>
<li>Computer Science and Engineering</li>
<li>Electronics and Communication Engineering</li>
<li>Electrical and Electronics Engineering</li>
<li>Mechanical Engineering</li>
</ul>
<ul><span class="hgt">Master Degree</span>
<li>ME-Industrial Safety Engineering</li>
<li>ME-VLSI Design</li>
<li>ME-Computer Science & Engineering</li>
<li>ME-Embedded System Technologies</li>
</ul>
<h3>Results of cse students</h3>
<table width="100%" cellspacing="2" cellpadding="2" border="5">
<tr><th>Name of the Student</th><th>Marks</th><th>Result</th></tr>
<tr><tdalign="center">Ram</td><td align="center">100</td><td
align="center">pass</td></tr>
<tr><tdalign="center">Bala</td><td align="center">99</td><td
align="center">pass</td></tr>
<tr><tdalign="center">Ramu</td><td align="center">98</td><td
align="center">pass</td></tr>
</table>
</div>
</body>
</html>
```

Output:



KNOWLEDGE INSTITUTE OF TECHNOLOGY

Approved by AICTE | Affilitated to Anna University

List of Courses offered

BachelorDegree

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

Master Degree

- ME-Industrial Safety Engineering
- ME-VLSI Design
- ME-Computer Science & Engineering
- ME-Embedded System Technologies

Results of cse students

Name of the Student	Marks	Result
Ram	100	pass
Bala	99	pass
Ramu	98	pass

Result:

Thus the program to create a HTML page using types of Cascading Style Sheet was executed and the output was verified successfully.

EX. NO. 3	VALIDATE THE REGISTRATION, USER LOGIN, USER PROFILE AND PAYMENT BY CREDIT CARD PAGES USING JAVASCRIPT
DATE:	

Aim:

To write a Javascript Program to Validate the Registration, user login, user profile and payment by credit card pages

Algorithm:

Step 1: Start the Invoking Servlets from HTML Forms

Step 2: Create the postparm.html

Step 3: Use the two input type for Employee name and phono

Step 4: The save the postparm.html

Step 5: Create java serve let for invoke the html forms

Step 6: After creating java servlets extracting PostParam.war .

Step 7: Then follow the step

- Open Web Browser and type
- http://localhost:8080
- Select Tomcat Manager
- Deploy the war file and Run

Step 8: Finally terminate the Invoking Servlets from HTML Forms

Source Code:

Home page:

Main.html:

```
<frameset rows="25%, 75 %">
<frame src="top.html" name="top">
<frameset cols="25%,75%">
<frame src="left.html" name="left">
<frame src="right.html" name="right">
```

```
</frameset>
</frameset>
```

Registration:

```
<html>
<body bgcolor="pink">
<h3>Registration</h3>
<form name="regform" action="" method="post" onsubmit="return validate()">
<table>
<tr><td>Name</td><td><input type="text" name="uname" required></td></tr>
<tr><td>Email ID</td><td><input type="email" name="emailid" required></td></tr>
<tr><td>Password</td><td><input type="text" name="upass" required></td></tr>
<tr><td>Contact</td><td><input type="number" name="contact" required></td></tr>
<tr><td colspan="2"><input type="submit" name="submit" value="Register"></td></tr>
</table>
</form>
<script>
function validate()
{

alert("Registration was successful");

}
</script>
</body>
</html>
```

Registration:

```
<html>
<head>
<title>
Login page
</title>
</head>
<body>
<h1 style="font-family:Comic Sans Ms;text-align="center";font-size:20pt;
color:#00FF00;>
Simple Login Page
</h1>
<form name="login">
Username<input type="text" name="userid"/>
```

```
Password<input type="password" name="pswrd"/>
<input type="button" onclick="check(this.form)" value="Login"/>
<input type="reset" value="Cancel"/>
</form>
<script language="javascript">
function check(form)/*function to check userid& password*/
{
 /*the following code checkes whether the entered userid and password are matching*/
if(form.userid.value == "admin" &&form.pswrd.value == "admin")
 {
window.open('cpanel.html')/*opens the target page while Id & password matches*/
 }
 else
 {
alert("Error Password or Username")/*displays error message*/

 }
}
</script>
</body>
</html>
```

Left:

```
<html>
<body bgcolor="pink">
<h3>
<ul>
<li><a href="register.html" target="right"><font color="black">
REGISTRATION</font></a></li><br><br>
<li><a href="login1.html" target="right"><font color="black">LOGIN</font></a></li><br>
</li><br><br>
</ul>
</body>
</html>
```

Right:

```
<html>
<body bgcolor="pink">
<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>
```

Login:

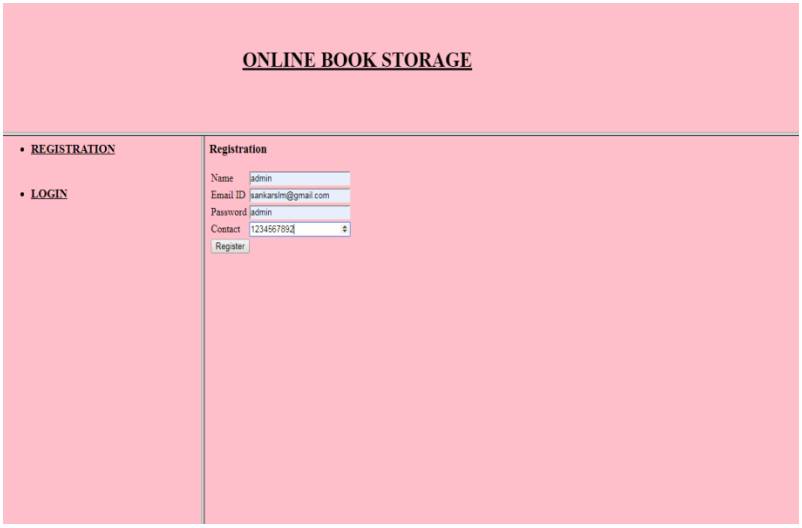
```
<html>
<head>
<title>
Login page
</title>
</head>
<body>
<h1 style="font-family:Comic Sans Ms;text-align="center";font-size:20pt;
color:#00FF00;>
Simple Login Page
</h1>
<form name="login">
Username<input type="text" name="userid"/>
Password<input type="password" name="pswrd"/>
<input type="button" onclick="check(this.form)" value="Login"/>
<input type="reset" value="Cancel"/>
</form>
<script language="javascript">
function check(form)/*function to check userid& password*/
{
 /*the following code checkes whether the entered userid and password are matching*/
if(form.userid.value == "admin" &&form.pswrd.value == "admin")
  {
window.open('cpanel.html')/*opens the target page while Id & password matches*/
  }
 else
 {
alert("Error Password or Username")/*displays error message*/

  }
}
</script>
</body>
</html>
```

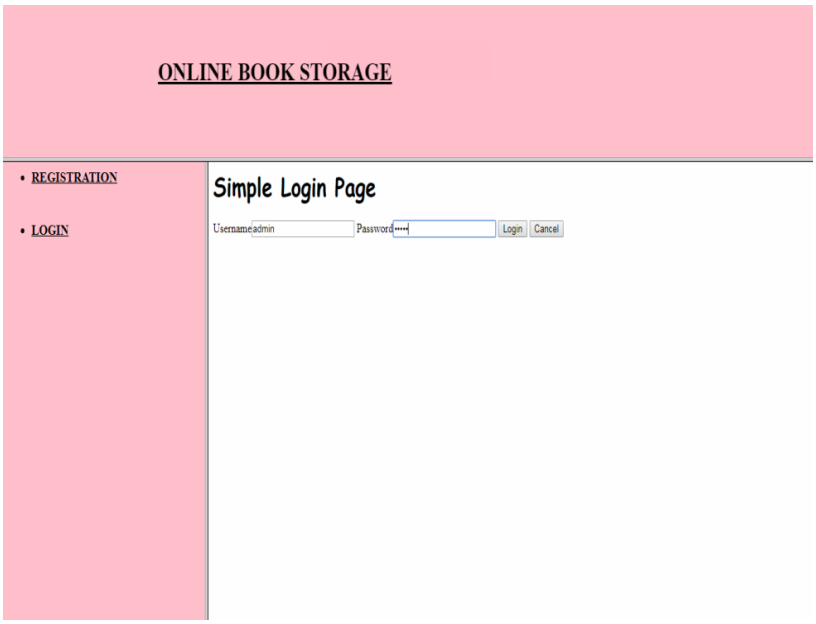
C Panel:

```
<form name="form">
<table cellpadding="2" cellspacing="2" border="1">
```

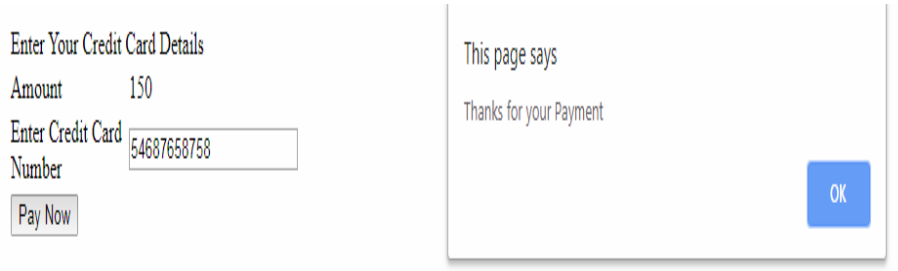
```
<th>Book Name</th><th>Book Cost</th><th>Pay</th>
<tr><td>C</td><td>150</td><td><input type='hidden' id='c1' value='150'><input
type="button" value="pay" onclick="validate()"></td></tr>
<tr><td>C++</td><td>200</td><td><input type='hidden' id='c1' value='200'><input
type='button' value='pay' onclick="validate()"></td></tr>
<tr><td>JAVA</td><td>250</td><td><input type='hidden' id='c1' value='250'><input
type='button' value='pay' onclick="validate()"></td></tr>
<tr><td>PYTHON</td><td>250</td><td><input type='hidden' id='c1' value='250'><input
type='button' value='pay' onclick="validate()"></td></tr>
</table>
</form>
<script>
function validate()
{
var b=document.getElementById('c1').value;
document.write("<form action=''><div style='height:300px;width:300px;'><table><tr><td
colspan='2'>Enter Your Credit Card
Details</td></tr><tr><td>Amount</td><td>"+b+"</td></tr><tr><td>Enter Credit Card
Number</td><td><input type='number' name='ccid' required></td></tr><tr><td><input
type='button' value='Pay Now' name='btn1'
onclick='vali()'></td></tr></table></div></form>");
}
function vali(){
alert('Thanks for your Payment')
window.open('login1.html')
 }
</script>
```

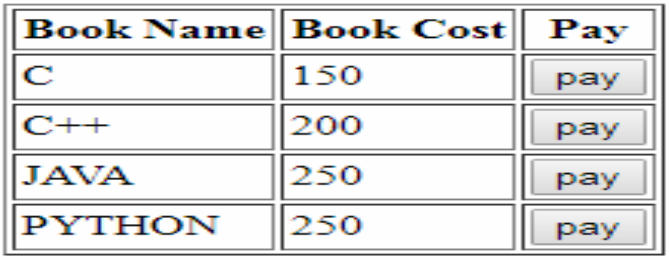
Output:


ONLINE BOOK STORAGE
REGISTRATION
LOGIN
Registration
Name admin
Email ID sankarslm@gmail.com
Password admin
Contact 1234567892
Register


ONLINE BOOK STORAGE
REGISTRATION
LOGIN
Simple Login Page
Username admin
Password
Login
Cancel


Enter Your Credit Card Details
Amount 150
Enter Credit Card Number 54687658758
Pay Now





Book Name	Book Cost	Pay
C	150	pay
C++	200	pay
JAVA	250	pay
PYTHON	250	pay

Result:

Thus the Javascript Program to Validate the Registration, user login, user profile and payment by credit card pages was executed and the output was verified.

EX. NO. 4A	**INVOKING SERVLETS FROM HTML FORMS**
DATE:	

Aim:

To write a java program for invoking servlet from HTML forms.

Algorithm

Step 1: Start the Invoking Servlets from HTML Forms

Step 2: Create the postparm.html

Step 3: Use the two input type for Employee name and phono

Step 4: The save the postparm.html

Step 5: Create java servlet for invoke the html forms

Step 6: After creating java servlets extracting PostParam.war.

Step 7: Then follow the step

- Open Web Browser and type
- http://localhost:8080
- Select Tomcat Manager
- Deploy the war file and Run

Step 8: Finally terminate the Invoking Servlets from HTML Forms

Source Code:

Invoking Servlets from HTML Forms - PostParam.html - Source code java programming

```
<HTML>
<BODY>
<CENTER>
<FORM name = "postparam" method = "post"
action="http://localhost:8080/PostParam/PostParam">
<TABLE>
<tr>
<td><B>Employee </B></td>
<td><input type = "textbox" name="ename" size="25"value=""></td>
</tr>
<tr>
<td><B>Phone </B></td>
<td><input type = "textbox" name="phoneno" size="25"value=""></td>
</tr>
</TABLE>
```

```
<INPUT type = "submit" value="Submit">
</body>
</html>
```

Invoking Servlets from HTML Forms source code java programming

```
import java.io.*;
import java.util.*;
import javax.servlet.*;
public class PostParam extends GenericServlet
{
public void service(ServletRequestrequest,ServletResponse response)
throwsServletException, IOException
{
PrintWriter pw = response.getWriter();
Enumeration e = request.getParameterNames();
while(e.hasMoreElements()) {
String pname = (String)e.nextElement();
pw.print(pname + " = ");
String pvalue = request.getParameter(pname);
pw.println(pvalue);
}
pw.close();
}
}
```

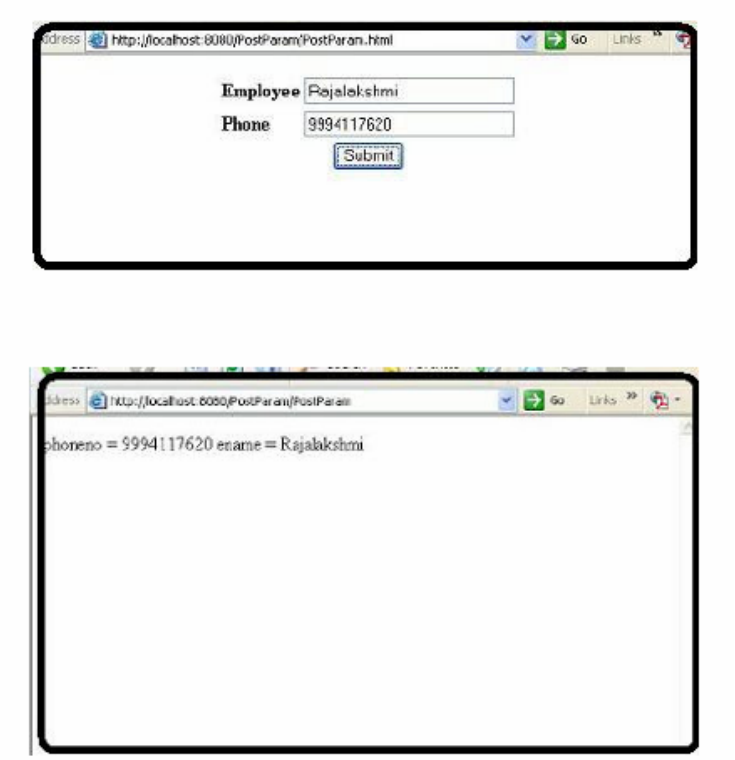
D:\PostParam\WEB-INF\classes>javac PostParam.java
D:\PostParam\WEB-INF\classes>javac PostParam.java
D:\PostParam\WEB-INF>type web.xml

Invoking Servlets from HTML Forms source code xml programing

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE web-appPUBLIC "-//Sun Microsystems, Inc.//DTD Web Application
2.3//EN""http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
<display-name>Welcome to Tomcat</display-name>
<description>
Welcome to Tomcat
</description>
<!-- JSPC servlet mappings start -->
<servlet>
<servlet-name>PostParam</servlet-name>
<servlet-class>PostParam</servlet-class>
```

```
</servlet>
<servlet-mapping>
<servlet-name>PostParam</servlet-name>
<url-pattern>/PostParam</url-pattern>
</servlet-mapping>

<!-- JSPC servlet mappings end -->
</web-app>
```

Output:



Result:

Thus the program for invoking servlet from HTML form was executed and the outputwas verified.

EX. NO. 4B	SESSION TRACKING FOR A HIT COUNT
DATE:	

Aim:

To write a java servlet program to track the session for a hit count.

Algorithm:

Step 1: Import all the necessary packages.

Step 2: Declare a class PAGEHITCounter that extends HttpServlet

Step 3: Use init parameter and reset hit count as 0

hitcount=0;

Step 4: Set response content type and this method excutes whenever the servlet is hit, by incrementing a hitcount.

Step 5: Stop the program.

Source Code:

PageHitCounter.java

```
import java.io.*;
import java.sql.Date;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class PageHitCounter extends HttpServlet
{
        private int hitCount;
         public void init()
        { // Reset hit counter.
                hitCount = 0;
         }
        public void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
        {   // Set response content type
                response.setContentType("text/html");
 // This method executes whenever the servlet is hit
         // increment hitCount
                hitCount++;
                PrintWriter out = response.getWriter();
                 String title = "Total Number of Hits";
                 String docType = "<!doctype html public \"-//w3c//dtd html 4.0 " +
 "transitional//en\">\n";
                out.println(docType + "<html>\n" + "<head><title>" + title +
        "</title></head>\n" + "<body bgcolor=\"#f0f0f0\">\n" + "<h1 align=\"center\">" + title
        + "</h1>\n" + "<h2 align=\"center\">" + hitCount + "</h2>\n" + "</body></html>");
        }
         public void destroy()
```

```
        {
                // This is optional step but if you like you
                // can write hitCount value in your database.
        }
}
```

Web.xml:

```
<web-app xmlns="http://java.sun.com/xml/ns/javaee"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

 http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"

 version="3.0" metadata-complete="true">

<display-name>Welcome to Tomcat</display-name>

<description>
 Welcome to Tomcat
</description>

<servlet>
<servlet-name>PageHitCounter</servlet-name>
<servlet-class>PageHitCounter</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>PageHitCounter</servlet-name>
<url-pattern>/PageHitCounter</url-pattern>
</servlet-mapping>

</web-app>
```

Output:

Result:

Thus the java servlet program for tracking the session for each page hit count was executedsuccessfully and output is verified.

EX. NO. 5	**THREE-TIER APPLICATIONS USING SERVLETS**
DATE:	

Aim:

To write a java servlet program to conduct online examination and to display student mark list available in a database which has been stored in a database server.

Algorithm:

Step 1: Design the HTML page (ExamClient.html) with the following

a) Create a form to get the input from the user.
b) Use radio buttons to make various options for the questions.
c) Set the URL of the server (ExamServer.jsp) as the value of the action attribute.
d) Use submit button to invoke the server and send the form data to the server.

Step 2: Create the JSP file with the following

a) Read the input from the client.
b) Retrieve the answers from the database.
c) Match the answers from the user with the correct answers from the database table.
d) For each correct answer increment the mark by 5.
e) Server displays the mark and result to the client as a response.

Source Code:

ExamServer.jsp:

```
<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.*"%>
<html>
<head>
<title>Online Exam Server</title>
<style type="text/css">
        body{font-family:courier;color:blue}
</style>
</head>
<body>
<h2 style="text-align:center">ONLINE EXAMINATION</h2>
<p><a href="ExamClient.html">Back To Main Page</a></p>
<hr/>
<%
        String str1=request.getParameter("ans1");
        String str2=request.getParameter("ans2");
        String str3=request.getParameter("ans3");
        int mark=0;
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connection con=DriverManager.getConnection("jdbc:odbc:examdb");
        Statement stmt=con.createStatement();
        ResultSetrs=stmt.executeQuery("SELECT * FROM examdb1");
        while(rs.next())
```

```
        {
                String dbans1=rs.getString(2);
                if(str1.equals(dbans1))
                {
                        mark=mark+5;
                }
                String dbans2=rs.getString(3);
                if(str2.equals(dbans2))
                {
                        mark=mark+5;
                 }
                String dbans3=rs.getString(4);
                if(str3.equals(dbans3))
                {
                        mark=mark+5;
                }
        }
        if(mark>=10)
        {
                out.println("<h4>Your Mark Is : "+mark+"</h4>");
                out.println("<h3>Congratulations....! You Are Eligible For The Next
Round...</h3>");
        }
        else
        {
                out.println("<h4>Your Mark is : "+mark+"</h4>");
                out.println("<h3>Sorry....!! You Are Not Eligible For  The Next
        Round...</h3>");
        }
%>
</form>
</body>
</html>
```

ExamClient.HTML:

```
<html>
<head>
<title>Online Exam Client</title>
<style type="text/css">
        body{background-color:black;font-family:courier;color:blue}
</style>
```

```
</head>
<body>
<h2 style="text-align:center">ONLINE EXAMINATION</h2>
<h3>Answer the following questions (5 marks for each correct answer)</h3>
<hr/>
<form name="examForm" method="post" action="ExamServer.jsp">

1. All computers must have <br/>
<input type="radio" name="ans1" value="Operating System">Operating System
<input type="radio" name="ans1" value="Application Software">Application Software
<input type="radio" name="ans1" value="CD Drive">CD Drive
<input type="radio" name="ans1" value="Microsoft word">Microsoft word
<br/><br/>

2. The term PC means <br/>
<input type="radio" name="ans2" value="Private Computer">Private Computer
<input type="radio" name="ans2" value="Professional Computer">Professional Computer
<input type="radio" name="ans2" value="Personal Computer">Personal Computer
<input type="radio" name="ans2" value="Personal Calculator">Personal Calculator
<br/><br/>

3.C was developed by?<br/>
<input type="radio" name="ans3" value="Dennis Ritchie">Dennis Ritchie
<input type="radio" name="ans3" value="Stroustrup">Stroustrup
<input type="radio" name="ans3" value="David Ritchie">David Ritchie
<input type="radio" name="ans3" value="Charles Babbage">Charles Babbage
<br/><br/>

<input type="submit" value="Check Your Result"/>
</form>
</body>
</html>
```

Execution steps:

1. Create the database StudentDB2.mdb in which Student table is created. Note that we have to create an empty database by specifying simply the field names such as Seat_no, Name and Marks.
2. Create the DSN for Student database:

Open the Control panel and double click on the Administrative Tools icon. Then double click on the Datasources(ODBC) icon. The window appears as:

Database(Database1.mdb) –DSN CONNECTION(studentDB2)

3. Click on User DSN tab and select Microsoft Access Driver (*.mdb) and then click on the finish button.

Then type the Data Source Name as StudentDB2 and click on select button to select the database file for corresponding DSN.

Click on OK button. Now connection to the database is done using JDBCODBC driver.

4. Create an html program as online.html in which True/False questions are displayed.

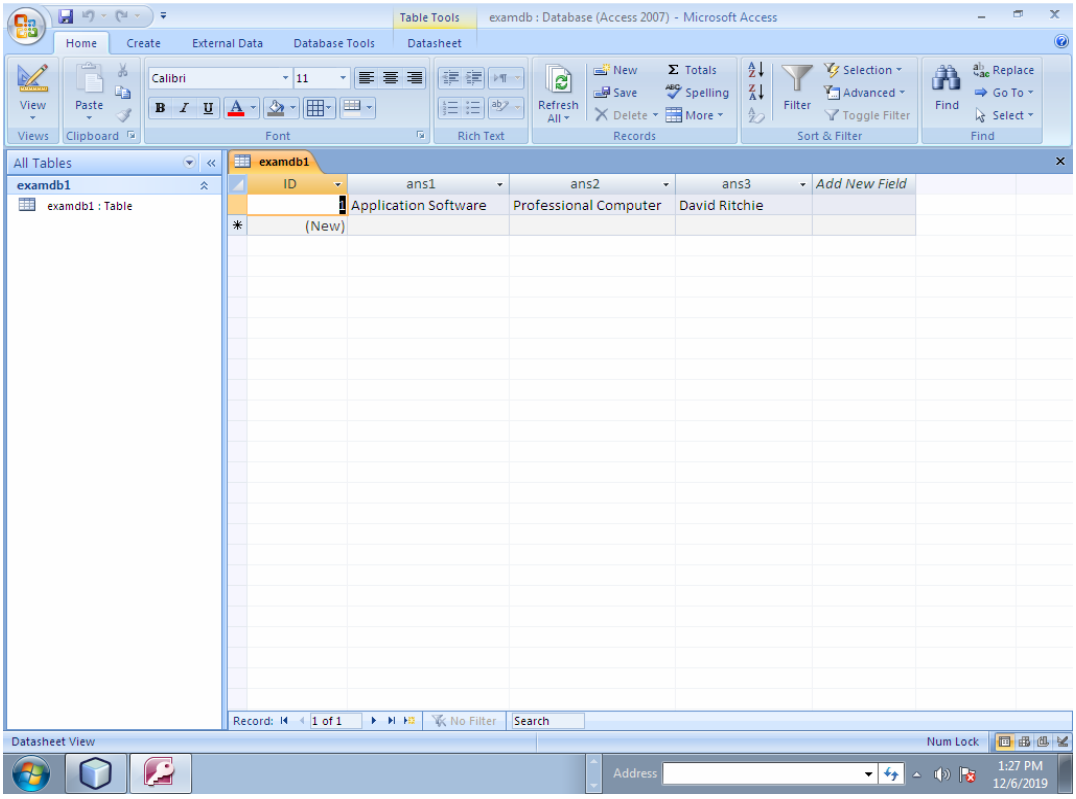
5. Then Create a java program as Exam.java which is a servlet code for computing the total score of each student and it displays the database contents.

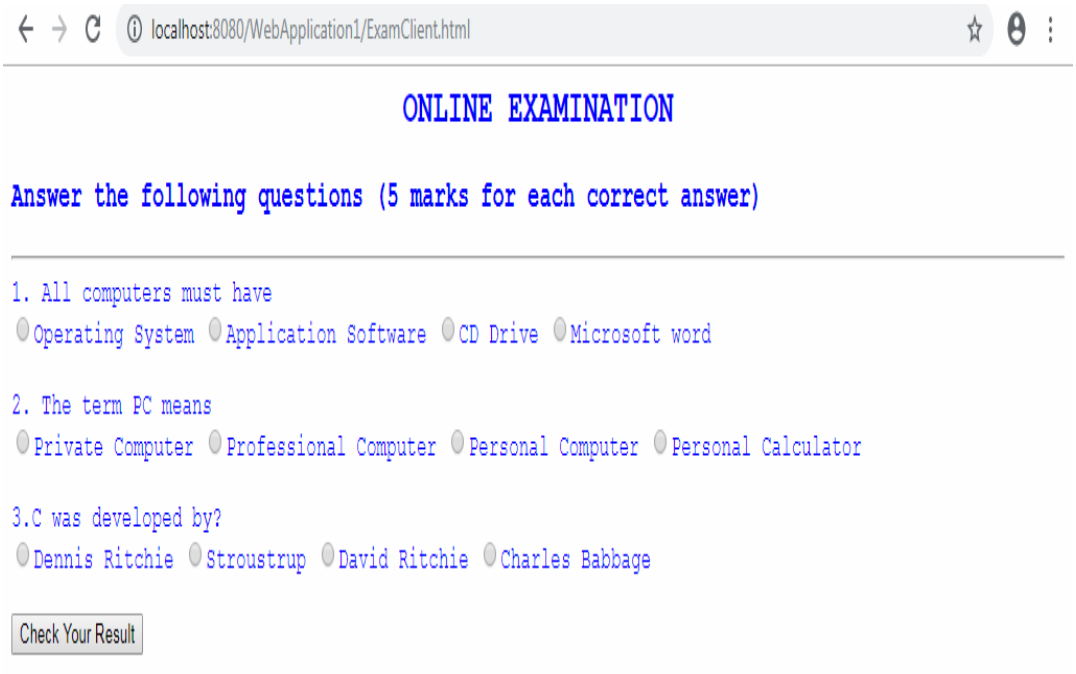
6. Compile the java program by using javac exam.java. then class file will be created and place the corresponding class file to the location c:\ "Program Files\apache-tomcat-7.0.29\webapps\exam\WEBINF\class.

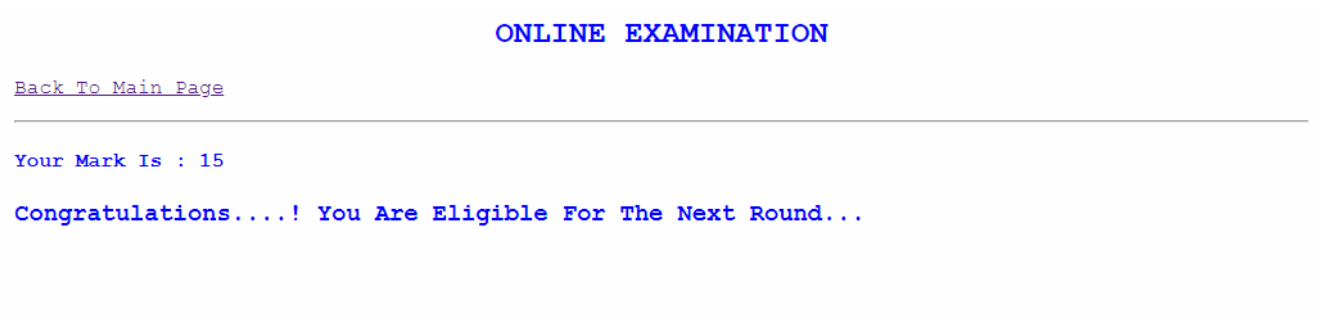
7. Then edit the web.xml file in WEB-INF for servlet name and servlet class as exam

8. Now open online.html file in a browser window the web page opens and if we click on submit button the student information should get updated in the database by invoking a servlet.

Output:


examdb : Database (Access 2007) - Microsoft Access
Table Tools
Home
Create
External Data
Database Tools
Datasheet
examdb1
ID
ans1
ans2
ans3
Add New Field
Application Software
Professional Computer
David Ritchie
(New)
examdb1 : Table
Datasheet View
Num Lock
1:27 PM
12/6/2019


localhost:8080/WebApplication1/ExamClient.html
ONLINE EXAMINATION
Answer the following questions (5 marks for each correct answer)
1. All computers must have
Operating System
Application Software
CD Drive
Microsoft word
2. The term PC means
Private Computer
Professional Computer
Personal Computer
Personal Calculator
3.C was developed by?
Dennis Ritchie
Stroustrup
David Ritchie
Charles Babbage
Check Your Result



Result:

Thus the java servlet program to conduct online examination and to display student mark list available in a database was executed successfully and output is verified.

EX. NO. 6	**INSTALL TOMCAT WEB SERVER**
DATE:	

Aim:

Install TOMCAT web server. Convert the static webpages of assignments 2 into dynamic webpages using servlets and cookies.

Procedure:

Steps

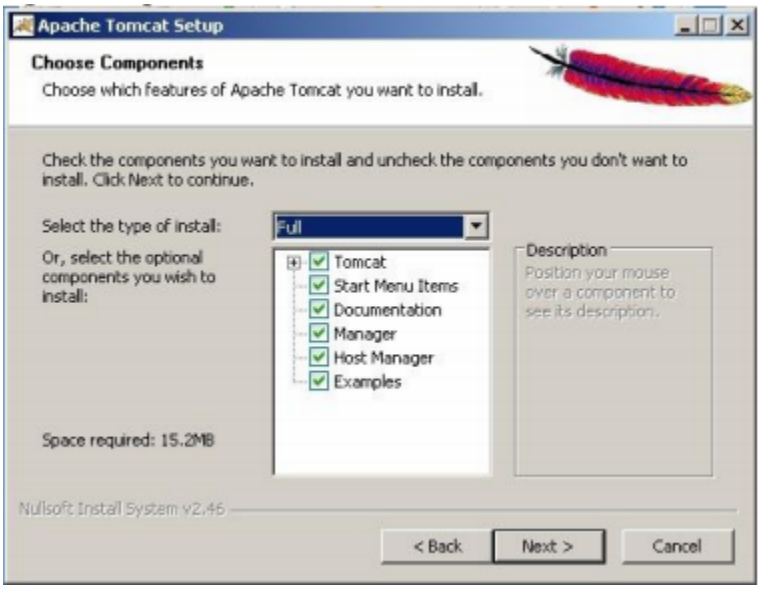
1. Double click the exe file and follow the steps by clicking next.

- The easiest way is to simply download and run the 32-bit/64-bit Windows Service Installer of thelatest version on Apache Tomcat. In my case the latest version of Apache Tomcat is 7 and thedownload link is :

- http://mirrors.hostingromania.ro/apache.org/tomcat/tomcat-7/v7.0.26/bin/apache-tomcat-7.0.26.exe

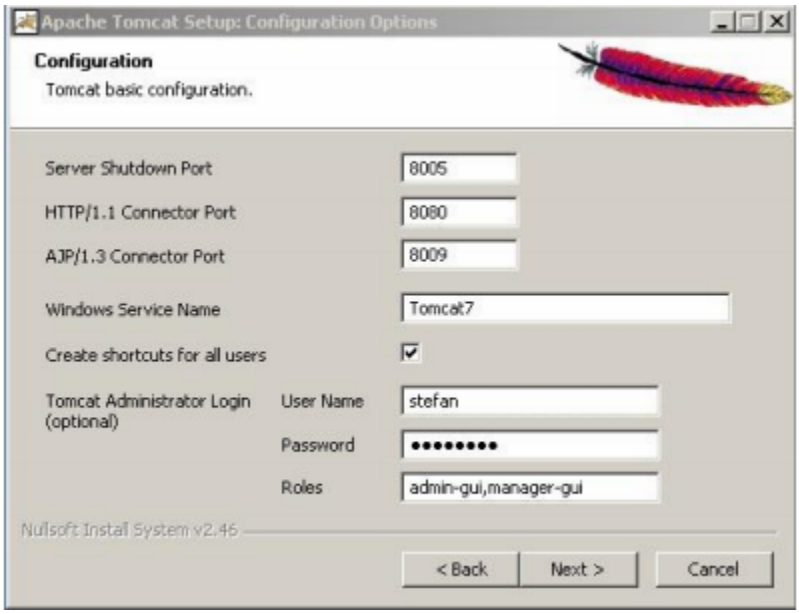
- Run this file if you agree with the license terms and switch to the Full type of install so all the optionalcomponents are checked in the following screen:

Figure 1-Apache Tomcat Installation - choose full install



- If you now click on Next you get the following screen:

Figure 2-Apache Tomcat installation : provide username and password



- The only think you have to do here is to fill a “User Name”, provide a “Password” for it andeventually tick on the checkbox for “Create shortcuts for all users”. Leave everything as is. Normallyyou don’t need to change anything. Click on Next.

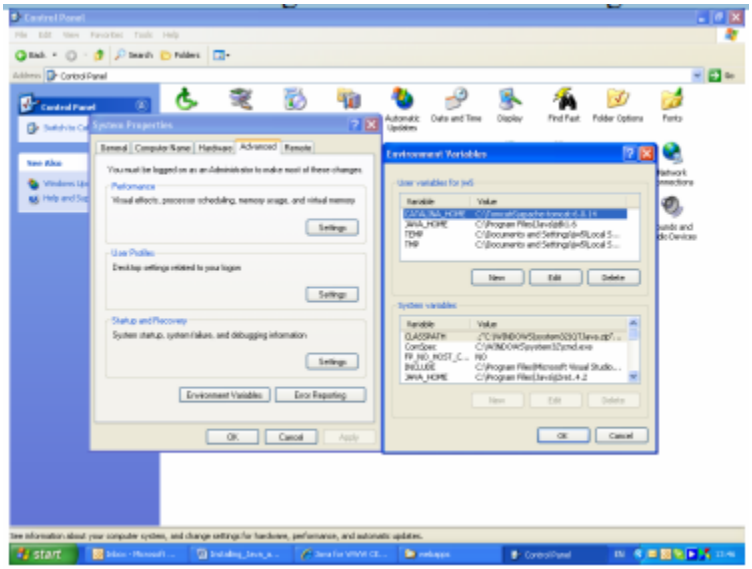
2. Tomcat uses an environment variable named JAVA_HOME to indicate the location of the JAVA directory.

3. Additionally it uses another environment variable named CATALINA_HOME to indicate the location ofTomcat’s Jakarta level directory.

4. In Windows XP (or equivalent) go to:

- Control Panel->System->Advanced->Environment Variables

Click on the New button to add the following as seen with the screen grab attached:



Just these two need to be added to what ever you have already.

CATALINA_HOME c:\tomcat6\apache-tomcat-6.0.20

JAVA_HOME c:\program files\java\jdk1.6

5. Save the modifications and re-boot your computer to apply the new environment variable settings.

6. This can be tested from the command prompt (Start Run and type cmd<Enter>) by typing ECHOfollowed by a space and then the variable enclosed inside a pair of % characters

(e.g. ECHO % JAVA_HOME%).

7. Starting and Stopping the server:

- This is done via two batch files – startup and shutdown
- They can be found in the Tomcat bin folder. It is recommended you create a shortcut for each andplace on your desktop.
- Start the server by running the startup batch file – you should get a display like this:

8. Next test that the server can run a JSP page.

- In the webapps\ROOT\ folder you will find an index.jsp file.
- The ROOT folder is where the JSP pages need to live.
- Open your web browser and in offline mode type the following in the url text box:
- http://localhost:8080/index.jsp

If the following page appears then you have successfully installed Tomcat:

9. If the page does not appear then there is a problem and you should check all the steps you have made.

10.Finally, shut down the server when not in use by simply running the shut down batch file.

Result:

Thus the installation of TOMCAT web server was successfully installed and also verified

EX. NO. 7	**USING JSP BY CONVERTING THE STATIC WEB PAGES INTO DYNAMIC WEB PAGES**
DATE:	

Aim:

To write a JSP program for converting the static web pages into dynamic web pages. Create a database with user information and books information. The books catalogue should be dynamically loaded from the database.

Algorithm:

Step 1: Create your own directory under tomcat/webapps (e.g. tr1)

Step 2: Copy the html files in tr1

Step 3: Copy the jsp files also into tr1

Step 4: Start tomcat give the following command

Catalina.bat run

At install-dir/bin

Step 5: At I.E give url as http://localhost:8081/tr1/main.html

Source Code:

Main.html:

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

```
<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 idOtherwise press REGISTRATION
</b></PRE></h2>
<br><br><pre>

<div align="center">
<a href="login.html">LOGIN</a>
<a href="reg.html">REGISTRATION</a>
</div>
</pre>
</body>
</html>
```

Login.html:

```
<html>
<body><br /><br /><br />
<form name="myform" method="post" action="login.jsp">
<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()" />
      <input type="reset" value="clear" />
</div>
</form>
</body>
</html>
```

Reg.html:

```
<html>
<body><br /><br />
<form name="myform" method="post" action="reg.jsp">

<table align="center" >
<tr>
```

```
<td>NAME</td>
<td>:<input type="text" name="name" /></td>
</tr>

<tr>
<td>ADDRESS</td>
<td>:<input type="text" name="addr" /></td>
</tr>

<tr>
<td>CONTACT NUMBER</td>
<td>:<input type="text" name="phno" /></td>
</tr>

<tr>
<td>LOGINID</td>
<td>:<input type="text" name="id" /></td>
</tr>

<tr>
<td>PASSWORD</td>
<td>:<input type="password" name="pwd" /></td>
</tr>
</table>
<br /><br />

<div align="center">
<input type="submit" value="ok" onclick="validate()" />
      <input type="reset" value="clear" />
</div>
</form>
</body>
</html>
```

Profile.html:

```
<html>
<body><br /><br /><br />
<form name="myform" method="post" action="profile.jsp">
<div align="center"><pre>
LOGIN ID :<input type="text" name="id" /><br />
</pre><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>
<body><br /><br /><br />
<form method="post" action="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"/>      
<input type="reset" value="clear" name="button2"/>
</div>
</form>
</body></html>
```

Order.html:

```
<html>
<body><br /><br />
<form method="post" action="order.jsp">
<div align="center"><pre>
ID:<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"/>
```

```
      
<input type="reset" value="clear"name="button2"/>
</div>
</form>
</body>
</html>
```

Login.jsp:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<% out.println("<html><body>");
        String id=request.getParameter("id");
        String pwd=request.getParameter("pwd");
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connectioncon=DriverManager.getConnection("jdbc:odbc:orcl","scott","tiger");
        Statementstmt=con.createStatement();
        String sqlstmt="select id,pwd from login";
        ResultSetrs=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)
        {
                out.println("<br><br>SORRY INVALID ID TRY AGAINID<br><br>");
                out.println("<a href=\"login.html\">press LOGIN toRETRY</a>");
        }
        else
        {
                out.println("<br><br>VALID LOGIN ID<br><br>"); out.println("<h3><ul>");
                out.println("<li><ahref=\"profile.html\"><fontcolor=\"black\">USER
                                PROFILE</font>
                </a></li><br><br>");
                out.println("<li><ahref=\"catalog.html\"><fontcolor=\"black\">BOOKS
                                CATALOG</font></a></li><br><br>");
                out.println("<li><ahref=\"order.html\"><fontcolor=\"black\">ORDER
                                CONFIRMATION</font>
```

```
            </a></li></ul><br><br>");
        }
        out.println("</body></html>");
        con.close();
%>
```

Reg.jsp :

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<% response.setContentType("text/html");
        out.println("<html><body>");
        String name=request.getParameter("name");
        String addr=request.getParameter("addr");
        String phno=request.getParameter("phno");
        String id1=request.getParameter("id");
        String pwd1=request.getParameter("pwd");
        int no=Integer.parseInt(phno);
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connectioncon=DriverManager.getConnection("jdbc:odbc:orcl","scott","tiger");
        Statementstmt=con.createStatement();
        String sqlstmt="select id,pwd from login";
        ResultSetrs=stmt.executeQuery(sqlstmt);
        int flag=0;
        while(rs.next())
        {
                if(id1.equals(rs.getString(1))&&pwd1.equals(rs.getString(2)))
                {
                        flag=1;
                }
        }
        if(flag==1)
        {
                out.println("<br><br>SORRY INVALID ID ALREADYEXITS TRY AGAIN
                WITH NEW ID<br><br>");
                out.println("<a href=\"reg.html\">press REGISTER toRETRY</a>");
        }
        else
        {
                 Statement stmt1=con.createStatement();
                stmt1.executeUpdate("insert into
                loginvalues('"+name+"','"+addr+"',"+no+",'"+id1+"','"+pwd1+"');");
                out.println("<br><br>YOUR DETAILSAREENTERED<br><br>");
```

```
                out.println("<a href=\"login.html\">press LOGIN tologin</a>");
        }
        out.println("</body></html>");
        con.close();
%>
```

Profile.jsp:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<% out.println("<html><body>");
        String id=request.getParameter("id");
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connectioncon=DriverManager.getConnection("jdbc:odbc:orcl","scott","tiger");
        Statementstmt=con.createStatement();
        String sqlstmt="select * from login where id="+id+"";
        ResultSetrs=stmt.executeQuery(sqlstmt);
        int flag=0;
        out.println("<br><br><br>");
        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("<br><br>SORRY INVALID ID TRY AGAINID<br><br>");
                out.println("<a href=\"profile.html\">press HERE toRETRY</a>");
        }
        out.println("</body></html>");
        con.close();
 %>
```

Catalog.jsp:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<% out.println("<html><body>");
        String title=request.getParameter("title");
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
```

```
        Connectioncon=DriverManager.getConnection("jdbc:odbc:orcl","scott","tiger");
        Statementstmt=con.createStatement();
        String sqlstmt="select * from book where title=\'"+title+"\'";
        ResultSetrs=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("<br><br>SORRY INVALID TITLE TRYAGAIN <br><br>");
                out.println("<a href=\"catalog.html\">press HERE toRETRY</a>");
        }
        out.println("</body></html>");
        con.close();
%>
```

Order.java:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<% int count;
        out.println("<html><body>");
        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");
        count=Integer.parseInt(count1);
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        Connectioncon=DriverManager.getConnection("jdbc:odbc:orcl","scott","tiger");
        Statementstmt=con.createStatement();
        String sqlstmt="select id,pwd from login";
        ResultSetrs=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("<br><br>SORRY INVALID ID TRY AGAINID<br><br>");
                out.println("<a href= \"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("<br><br>AMOUNT:"+amount+"<br><br><br><br>");
                        Statement stmt1=con.createStatement();
                        stmt1.executeUpdate("insert into
                        detailsvalues('"+id+"','"+title+"',"+amount+",'"+cno+"');");
                        out.println("<br>YOUR ORDER has taken<br>");
                }
                if(flag1==0)
                {
                        out.println("<br><br><br>SORRY INVALID IDTRY AGAIN
                ID<br><br>");
                        out.println("<a href=\"order.html\">press HERE toRETRY</a>");
                }
        }
        out.println("</body></html>");
        con.close();
%>
```

Output:

ID
: aaaa

PASSWORD

ONLINE BOOK STORAGE

Welcome to online book storage.
Press LOGIN if you are having id
otherwise press REGISTRATION

LOGIN REGISTRATION

LOGIN ID : aaaaa
PASSWORD : ••••••

ok clear

Result:

Thus the online book storage was created successfully and output also verified.

EX. NO. 8	**XML DOCUMENT FOR WEB SERVER**
DATE:	

Aim:

To write a program, that takes user id as input and displays the user details by taking the user information from the XML document.

Algorithm:

Step 1: Start the xml program.

Step 2: Create the 10 user information in the employee tag and insert the information about the employee in <users> tag.

Step 3: Then save an XML document by Info.xml which contains 10 user information..

Step 3: Next to retrieve the information by an user id use the java script tag by specifying the script language.

Step 4: Use the function readXMLData( ) in which information of 10users can be retrieved by using an id node.

Step 5: Then validate idnode, namenode,departmentnode,designation node by using xmlDocumentObject.getElementsByTagName

Step 6: Next save the file as elements.html and open in the new browser window.

Step 7: Enter id number in the search prompt then the corresponding user details is displayed.

Step 8: Stop the program.

Source Code:

Xampp Server Should be active while running this program INFO.XML

```
/* XML Document which stores info */
<?xml version="1.0" ?>
<document>
<users>

<user>
<userid>abc</userid>
<password>abc</password>
<first_name>raj</first_name>
<last_name>kumar</last_name>
<dob>10/1/1982</dob>
</user>

<user>
<userid>ravi</userid>
<password>ravi</password>
<first_name>ravi</first_name>
<last_name>kumar</last_name>
<dob>11/11/1982</dob>
</user>

<user>
<userid>sri</userid>
<password>sri</password>
```

<first_name>sri</first_name>
<last_name>ram</last_name>
<dob>12/12/1983</dob>
</user>

<user>
<userid>lax</userid>
<password>lax</password>
<first_name>laxman</first_name>
<last_name>kumar</last_name>
<dob>1/1/1980</dob>
</user>

<user>
<userid>chandu</userid>
<password>chandu</password>
<first_name>chandana</first_name>
<last_name>priya</last_name>
<dob>9/11/1998</dob>
</user>

<user>
<userid>vysu</userid>
<password>vysu</password>
<first_name>vyshnavi</first_name>
<last_name>matha</last_name>
<dob>17/6/1982</dob>
</user>

<user>
<userid>prem</userid>
<password>prem</password>
<first_name>prem</first_name>
<last_name>kumar</last_name>
<dob>11/11/1988</dob>
</user>

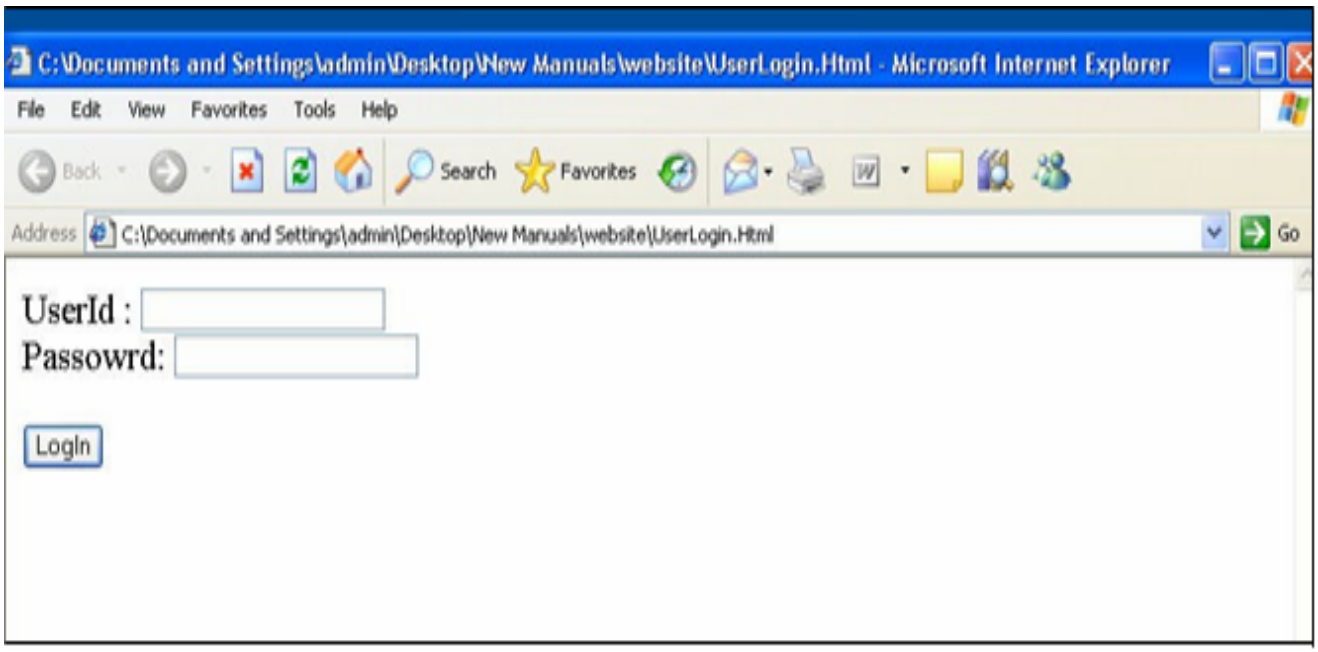
```
<user>
<userid>geeta</userid>
<password>geeta</password>
<first_name>geeta</first_name>
<last_name>anjali</last_name>
<dob>13/1/1972</dob>
</user>

<user>
<userid>preeti</userid>
<password>preeti</password>
<first_name>prethi</first_name>
<last_name>priya</last_name>
<dob>7/11/1968</dob>
</user>

<user>
<userid>praveen</userid>
<password>praveen</password>
<first_name>kumar</first_name>
<last_name>kumar</last_name>
<dob>11/11/1999</dob>
</user>
</users>
</document>
```

Result.Html

```
/*html program which uses xml document for searching */
<html>
<head>
<title>authorization page</title>
<script language="JavaScript" Run At=server>
    var xmlDoc=new ActiveXObject("Microsoft.XMLDOM");
    xmlDoc.load("info.xml");
    function search()
    {
        var id=document.myform.id.value;
        var pword=document.myform.pword.value;
```

```
            var qry=xmlDoc.selectNodes("document/users/user[userid='"+id+"']");
            if(qry.length!=0)
            {
                  if(pword!=qry.item(0).childNodes.item(1).text)
      document.write("success");
            }
            else
                  document.body.innerHTML="No matching data found. userid
                incorrect";
        }
</script>
</head>
<body>
<pre>
<center>
<form name="myform" method=post action="result.html">
User id:<input type=text name=id><br>
password :<input type=password name=pword><br>
<input type=submit value=Go onClick="search()">
</form>
</center>
</pre>
</body>
</html>
```

Output:



Result:

Thus the program to Create and save an XML document at the server, takes user Id as an input and returns the User details by taking the user information from the XML document was executed and the output was verifiedsuccessfully.

EX. NO. 9	PHP REGULAR EXPRESSION AND DATABASE
DATE:	

Aim:

To validate the form using regular expression and store a form data into database.

Algorithm:

Step 1: Goto XAMPP server directory “C:\xampp\htdocs\".

Step 2: Create a file and name it "filename.php"

Step 3: Run it by opening a new tab in your browser

Step 4: Load filename.php in browser window and type

http://localhost/filename.php

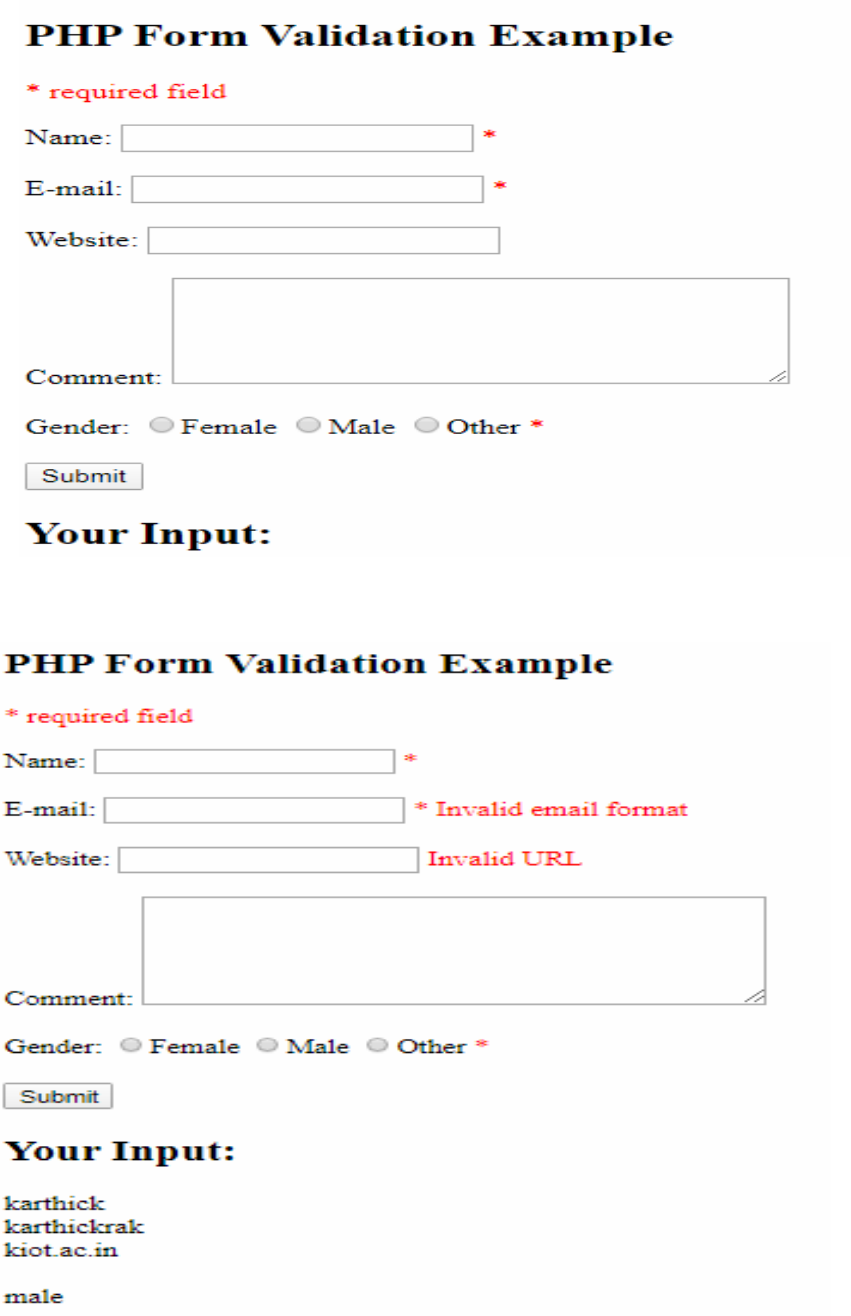
Source Code:

```
<!DOCTYPE HTML>
<html>
<head>
<style>
.error {color: #FF0000;}
</style>
</head>
<body>
<?php
// define variables and set to empty values
$nameErr = $emailErr = $genderErr = $websiteErr = "";
$name = $email = $gender = $comment = $website = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  if (empty($_POST["name"])) {
    $nameErr = "Name is required";
 }
else {
```

```
    $name = test_input($_POST["name"]);
    // check if name only contains letters and whitespace
    if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
      $nameErr = "Only letters and white space allowed";
  }}
    if (empty($_POST["email"])) {
    $emailErr = "Email is required";
  }
else {
    $email = test_input($_POST["email"]);
    // check if e-mail address is well-formed
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
      $emailErr = "Invalid email format";
    }
  }
  if (empty($_POST["website"])) {
    $website = "";
  } else {
    $website = test_input($_POST["website"]);
    // check if URL address syntax is valid
    if (!preg_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~_|!:,.;]*[-a-z0-
9+&@#\/%=~_|]/i",$website)) {
      $websiteErr = "Invalid URL";
    }
  }
 if (empty($_POST["comment"])) {
    $comment = "";
  } else {
    $comment = test_input($_POST["comment"]);
  }
  if (empty($_POST["gender"])) {
    $genderErr = "Gender is required";
  } else {
    $gender = test_input($_POST["gender"]);
  }
}
function test_input($data) {
  $data = trim($data);
  $data = stripslashes($data);
  $data = htmlspecialchars($data);
  return $data;
}
```

```
?>
<h2>PHP Form Validation Example</h2>
<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?
>">
  Name: <input type="text" name="name">
  <span class="error">* <?php echo $nameErr;?></span>
  <br><br>
  E-mail: <input type="text" name="email">
  <span class="error">* <?php echo $emailErr;?></span>
  <br><br>
  Website: <input type="text" name="website">
  <span class="error"><?php echo $websiteErr;?></span>
  <br><br>
  Comment: <textarea name="comment" rows="5" cols="40"></textarea>
  <br><br>
  Gender:
  <input type="radio" name="gender" value="female">Female
  <input type="radio" name="gender" value="male">Male
  <input type="radio" name="gender" value="other">Other
  <span class="error">* <?php echo $genderErr;?></span>
  <br><br>
  <input type="submit" name="submit" value="Submit">
</form>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>
</body>
</html>
```

Output:



Result:

Thus the Form validation of user informationusing PHP was successfully executed and output also verified.

EX. NO. 10	WEB SERVICES FOR CONSUMER PRODUCT

DATE:	

Aim:

To write a web services for finding what people think by asking 500 people's opinion for any consumer product

Algorithm:

Step 1: Open the home page.
Step 2: Enter the login ID and type the comments then submit.
Step 3: Retrieve comments with post id
Step 4: Display the comments.

Source Code:

Index.php

```
<!doctype html>
<html lang="en">
<head>
	<meta charset="UTF-8" />
	<title>jQuery Ajax Comment System - Demo</title>
	<link rel="stylesheet" href="css/style.css">
	<script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
	<script src="js/script.js"></script>
</head>
<body>
	<div class="wrap">
		<h1> Maggy Noodles Comment System</h1>
	<?php
		// retrive post
		include('config.php');
		include ('function.php');
		dbConnect();

		$query = mysql_query(
			'SELECT *
			FROM post
			WHERE post_id = 1');
		$row = mysql_fetch_array($query);
	?>
		<div class="post">
			<h2><?php echo $row['post_title']?></h2>
```

```
                <p><?php echo $row['post_body']?></p>
            </div>

        <?php
            // retrive comments with post id
            $comment_query = mysql_query(
                "SELECT *
                FROM comment
                WHERE post_id = {$row['post_id']}
                ORDER BY comment_id DESC
                LIMIT 15");
        ?>

            <h2>Comments.....</h2>
            <div class="comment-block">
            <?phpwhile($comment = mysql_fetch_array($comment_query)): ?>
                <div class="comment-item">
                    <div class="comment-avatar">
                        <imgsrc="<?php echo avatar($comment['mail']) ?>"
alt="avatar">
                    </div>
                    <div class="comment-post">
                        <h3><?php echo $comment['name']
?><span>said....</span></h3>
                        <p><?php echo $comment['comment']?></p>
                    </div>
                </div>
            <?phpendwhile?>
            </div>

            <h2>Submit new comment</h2>
            <!--comment form -->
            <form id="form" method="post">
                <!-- need to supply post id with hidden fild -->
                <input type="hidden" name="postid" value="<?php echo
$row['post_id']?>">
                <label>
                    <span>Name *</span>
                    <input type="text" name="name" id="comment-name"
placeholder="Your name here...." required>
                </label>
                <label>
```

```
                        <span>Email *</span>
                        <input type="email" name="mail" id="comment-mail"
placeholder="Your mail here...." required>
                    </label>
                    <label>
                        <span>Your comment *</span>
                        <textarea name="comment" id="comment" cols="30"
rows="10" placeholder="Type your comment here...." required></textarea>
                    </label>
                    <input type="submit" id="submit" value="Submit Comment">
                </form>
        </div>
</body>
</html>
```

Ajax_Comment.php

```
<?php
if (isset( $_SERVER['HTTP_X_REQUESTED_WITH'] )):
        include('config.php');
        include('function.php');
        dbConnect();

        if (!empty($_POST['name']) AND !empty($_POST['mail']) AND
!empty($_POST['comment']) AND !empty($_POST['postid'])) {
                $name = mysql_real_escape_string($_POST['name']);
                $mail = mysql_real_escape_string($_POST['mail']);
                $comment = mysql_real_escape_string($_POST['comment']);
                $postId = mysql_real_escape_string($_POST['postid']);

                mysql_query("
                        INSERT INTO comment
                        (name, mail, comment, post_id)
                        VALUES('{$name}', '{$mail}', '{$comment}', '{$postId}')");
        }
?>

<div class="comment-item">
        <div class="comment-avatar">
                <imgsrc="<?php echo avatar($mail) ?>" alt="avatar">
        </div>
        <div class="comment-post">
                <h3><?php echo $name ?><span>said....</span></h3>
```

```
                <p><?php echo $comment?></p>
        </div>
</div>

<?php
        dbConnect(0);
endif?>
```

Config.php

```
<?php
# db configuration
define('DB_HOST', 'localhost');
define('DB_USER', 'root');
define('DB_PASS', 'root');
define('DB_NAME', 'dbname');
?>
```

Function.php

```
<?php
/**
 * Connect to mysql server
 * @param bool
 * @use true to connect false to close
 */
function dbConnect($close=true){

        if (!$close) {
                mysql_close($link);
                return true;
        }

        $link = mysql_connect(DB_HOST, DB_USER, DB_PASS) or die('Could not
connect to MySQL DB ') . mysql_error();
        if (!mysql_select_db(DB_NAME, $link))
                return false;
}

/**
 * gravatar Image
 * @see http://en.gravatar.com/site/implement/images/
 */
function avatar($mail, $size = 60){
        $url = "http://www.gravatar.com/avatar/";
        $url .= md5( strtolower( trim( $mail ) ) );
```

```
        // $url .= "?d=" . urlencode( $default );
        $url .= "&s=" . $size;
        return $url;
}
?>
```

Style.CSS

```
/* general styling */
*{
        margin: 0;
        padding: 0;
        box-sizing: border-box;
        -webkit-box-sizing: border-box;
        -moz-box-sizing: border-box;
        -webkit-font-smoothing: antialiased;
        -moz-font-smoothing: antialiased;
        -o-font-smoothing: antialiased;
        font-smoothing: antialiased;
        text-rendering: optimizeLegibility;
}
body{
        font: 12px Arial,Tahoma,Helvetica,FreeSans,sans-serif;
        text-transform: inherit;
        color: #333;
        background: #e7edee;
        width: 100%;
        text-shadow: 0 1px 1pxrgba(0, 0, 0, 0.2)
}
.wrap{
        width: 720px;
        margin: 15px auto;
        padding: 15px 20px;
        background: white;
        border: 2px solid #DBDBDB;
        -webkit-border-radius: 5px;
        -moz-border-radius: 5px;
        border-radius: 5px;
        overflow: hidden;
}
a{ text-decoration: none; color: #333}
h1{
        font-family: Georgia, "Times New Roman", Times, serif;
        font-size: 2.8em;
```

```
        text-align: center;
        margin: 25px 0;
}
h2{font-size: 1.5em; margin: 8px 0}
h3{
        font-size: 1.2em;
        margin: 5px 0;}
h3 span{
        font-weight: normal;
        font-size: 1em;}
.item{
        clear: both;
        margin:0;
        padding: 10px;
        overflow: hidden;
        border-top: 1px solid #DBDBDB;}
.item:last-child{border-bottom:1px solid #DBDBDB}
.item:hover{background: #f9f9f9}
.post{
        padding: 10px 0;
        border-bottom: 1px solid #E6E6E6;
}
.comment-block{
        margin: 20px 0 20px 20px;
}
.comment-item{
        overflow: hidden;
        width: 500px;
        clear: both;
        padding: 10px;
        border: 1px solid #E6E6E6;
        border-radius: 5px;
        margin: 5px;
}
.comment-avatar{
        width: 60px;
        float: left;
}
.comment-avatar img{
        width: 60px;
        height: 60px;
        border-radius: 5px;
```

```
}
.comment-post{
	width: 400px;
	float: left;
	padding: 0 5px 0 10px;
}
#form{
	clear: both;
	margin: 10px;
	width: 500px;
}

/* form styling */
input[type="text"],
input[type="email"],
input[type="tel"],
input[type="url"],
textarea {
	width:100%;
	background: #fff;
	border: 1px solid #ddd;
	font-size: 13px;
	line-height: 20px;
	margin: 0;
	padding: 7px 10px;
	box-shadow: inset 0 1px 2px #eee;
	border:1px solid #CCC;
	margin:0 0 5px;
	border-radius:5px;
}
textarea {
	height:100px;
	max-width:100%;
}
input[type="submit"] {
	cursor:pointer;
	width:100%;
	border:none;
	background:#991D57;
	background-image:linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
	background-image:-moz-linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
	background-image:-webkit-linear-gradient(bottom, #8C1C50 0%, #991D57 52%);
```

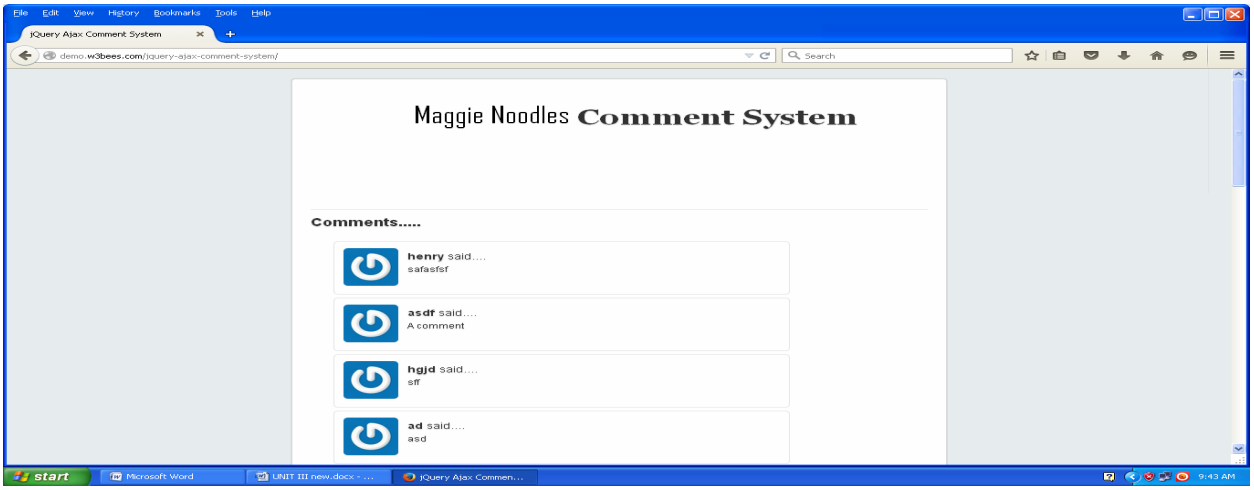
```
        color:#FFF;
        margin:0 0 5px;
        padding:10px;
        border-radius:5px;
}
input[type="submit"]:hover {
        background-image:linear-gradient(bottom, #9C215A 0%, #A82767 52%);
        background-image:-moz-linear-gradient(bottom, #9C215A 0%, #A82767 52%);
        background-image:-webkit-linear-gradient(bottom, #9C215A 0%, #A82767 52%);
        -webkit-transition:background 0.3s ease-in-out;
        -moz-transition:background 0.3s ease-in-out;
        transition:background-color 0.3s ease-in-out;
}
input[type="submit"]:active {
        box-shadow:inset 0 1px 3px rgba(0,0,0,0.5);
}
input:focus,
textarea:focus {
        outline:0;
        border:1px solid #999;
}
label{
        display: block;
        margin: 5px 0;
        font-weight: 900;
        cursor: pointer;
}
.alert{
        display: none;
        padding: 8px 35px 8px 14px;
        margin: 20px 0;
        text-shadow: 0 1px 0 rgba(255, 255, 255, 0.5);
        color: #468847;
        background-color: #dff0d8;
        border-color: #d6e9c6;
        -webkit-border-radius: 4px;
        -moz-border-radius: 4px;
        border-radius: 4px;
}
```

Script.js

```
$(document).ready(function(){
        var form = $('form');
```

```
        var submit = $('#submit');

        form.on('submit', function(e) {
                // prevent default action
                e.preventDefault();
                // send ajax request
                $.ajax({
                        url: 'ajax_comment.php',
                        type: 'POST',
                        cache: false,
                        data: form.serialize(), //form serizlize data
                        beforeSend: function(){
                                // change submit button value text and disabled it
                                submit.val('Submitting...').attr('disabled', 'disabled');
                        },
                        success: function(data){
                                // Append with fadeIn see http://stackoverflow.com/a/978731
                                var item = $(data).hide().fadeIn(800);
                                $('.comment-block').append(item);

                                // reset form and button
                                form.trigger('reset');
                                submit.val('Submit Comment').removeAttr('disabled');
                        },
                        error: function(e){
                                alert(e);
                        }
                });
        });
});
```

Output:



Result:

Thusa web services for finding what people think by asking 500 people's opinion for any consumer product has been executed successfully.