

EXNO : 1

Web page for college using href, list and frame tags

Home.html

```
<html>
<head>
<title>Home</title>
</head>
<frameset rows="30%,*">
<frame src="frame1.html">
<frameset cols="25%,*">
<frame src="frame2.html" name="f2">
<frame src="frame3.html" name="f3">
</frameset>
</frameset>
</html>
```

Frame1.html

```
<html>
<head><title>frame1</title>
</head>
<body bgcolor="blue">
<h1>
<h1 style="color:green;font-size:15pt">
<marquee bgcolor="#cccccc" loop="-1" scrollamount="6" width="100%">
Adhiyamaan College of Engineering (Autonomous)</marquee>
</h1>
</body>
</html>
```

Logo.html

```
<html>
<head><title>LOGO</title></head>
<body bgcolor="magenta">
<h1>
<center>Adhiyamaan College of Engineering (Autonomous)<br/>
Dr.M.G.R.Nagar, Hosur,<br/>
Krishnagiri District, Tamil Nadu,<br/>
India. Pin:635 109<br/></center></h1>
</body>
</html>
```

Frame2.html

```
<html>
<head><title>frame2</title>
<style type="text/css">
h1
{
font-size:25pt;color:pink;
}
</style>
</head>
<body bgcolor="red">
```

```

<h3>
<a href="COURSES.html" target=f3>COURSES</a><br><br>
<a href="dept.html" target=f3>DEPARTMENTS</a></br><br>
<a href="ad.html" target=f3>FACILITIES</a><br><br>
<a href="lib.html" target=f3>LIBRARY</a><br><br>
<a href="COE.html" target=f3>COE</a><br><br>
</h1>
</body>
</html>

```

Frame3.html

```

<html>
<head><title>1st page</title>
<link rel="stylesheet" type="text/css" href="C:\Documents and
Settings\Administrator\Desktop\ab\css1.css"/>
</head>
<body bgcolor="tan">
<h1> ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS).....</h1></br>
<h2> WEL COMES YOU ALL</h2>
<h3>
<p><i>Adhiyamaan College of Engineering is one of the educational institutions developed
by Adhiyamaan Educational & Research Institution - a trust, which was started in the year
1987-1988 to cater the needs of the nation in the development of technocrats and to provide
facilities for educating and training men and women to meet the entrepreneurial and
management needs. The management has created adequate infrastructural facilities and
sufficient funds and is keen on developing the institution for higher education.</i></p>

<p><i>The Institution is situated 6 kms from Hosur bus stand and railway station. The
Institution is well connected to three major Railway Junctions viz., Hosur, Jolarpet and
Bangalore.</i></p>
</h3>
</body>
</html>

```

COURSES.html

```

<html>
<head><title>intro</title>
</head>
<font color=red>
<p><b><h1>
Welcome to Adhiyamaan College of Engineering -
Affiliated to Anna University</br>
COURSES OFFERED
</p></b></h1><br>
<br></font>
<ol type=1>
<ol>1. B. E., Mechanical Engineering </ol>
<ol>2. B. E., Computer Science & Engineering</ol>
<ol>3. B. E., Electronics and Communication Engineering</ol>
<ol>4. B. E., Electrical and Electronics Engineering</ol>
<ol>5. B. E., Electronics and Instrumentation Engineering</ol>
<ol>6. B. E., Civil Engineering</ol>

```

```
<ol>7. B. E., Bio-Medical Engineering</ol>
<ol>8. B. E., Aeronautical Engineering</ol>
<ol>9. B. Tech., Bio-Technology</ol>
<ol>10. B. Tech., Information Technology</ol>
<ol>11. B. Tech., Chemical Engineering</ol>
<ol>12. B. Arch.,( Architecture)
</ol> </ol>
</body>
</html>
```

Dept.html

```
<html>
<head><title>Departments</title>
</head>
<body>
<div align="center">
<table border=2>
<tr>
<th>Dept code</th>
<th>Dept name</th>
</tr>
<tr>
<td>01</td>
<td>CSE</td>
</tr>
<tr>
<td>02</td>
<td>ECE</td>
</tr>
<tr>
<td>03</td>
<td>EEE</td>
</tr>
<tr>
<td>04</td>
<td>IT</td>
</tr>
<tr>
<td>05</td>
<td>MECH</td>
</tr>
<tr>
<td>06</td>
<td>AERO</td>
</tr>
</table>
</div>
</body>
</html>
```

Ad.html

```
<html>
<head><title>ADDRESS</title>
</head>
<font color=GREEN>
Name: Adhiyamaan College of Engineering </br>
Location:HOSUR
</font>
<ol type=1>
<ol>1. LIBRARY </ol>
<ol>2. SPORTS</ol>
<ol>3. HOSTEL</ol>
<ol>4. TRANSPORT</ol>
<ol>5. BANK FACILITY</ol>
</body>
</html>
```

Lib.html

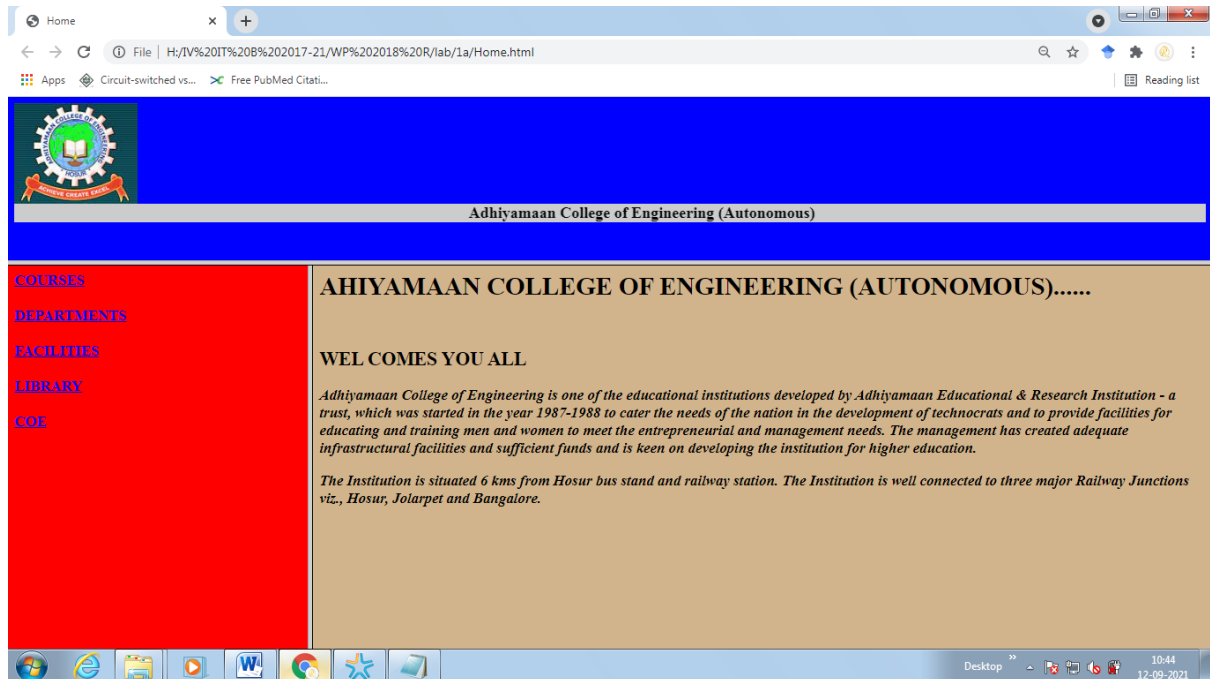
```
<html>
<head><title>ADDRESS</title>
</head>
<body>
<p>The Central Library has been built to International Standards. It spread over to an area of
4500 sq. m. with ground plus four floors. The library is equipped with a Reference section it
could accommodated around 500 students, Digital library, Audio Visual Section, Journal
Section, conference room, Research Scholar Section, Newspaper and Magazine Section, and
Reprography Section. It has numerous specialized collection of Books, Journals, ASME,
ASTM, IEEE-ASPP, Springer, Elsevier, EBSCO Art & Architecture, GREENR -
Architecture, J-Gate Engineering, J-Gate Business Management, EMERALD Management,
and McGraw Hill.</br>
<P>The library is fully computerized and can be accessed using the OPAC (Online Public
Access Catalogue) system which enables the students to search the required books they
specifying the author, title, subject and keywords. It facilitates the users to reserve the books
they need, and also updates on the status of a particular book and that of the User.</br>
<p>The library has been actively conducting NPTEL Video courses for students every
evening. It has also made DELNET - Institution Membership and Inter Library loan available
for the students.</br>
</body>
</html>
```

COE.html

```
<html>
<head></head>
<body>
<h1>
Contact Address for More Details:</h1></br>
<h2>
The Controller of Examination,</br>
Adhiyamaan College of Engineering,</br>
Dr.M.G.R Nagar, Hosur, Krishnagiri Dt, Tamilnadu- 635109.</h2>
</body>
</html>
```

OUTPUTS:

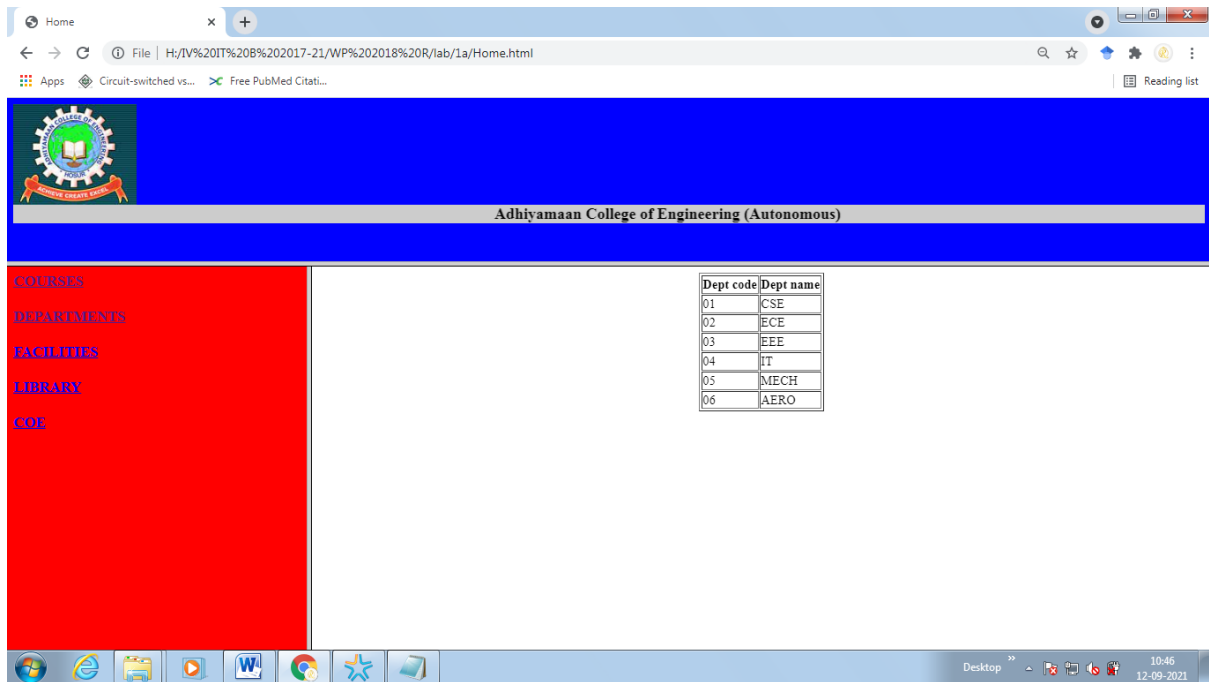
Home.html



COURSES.html

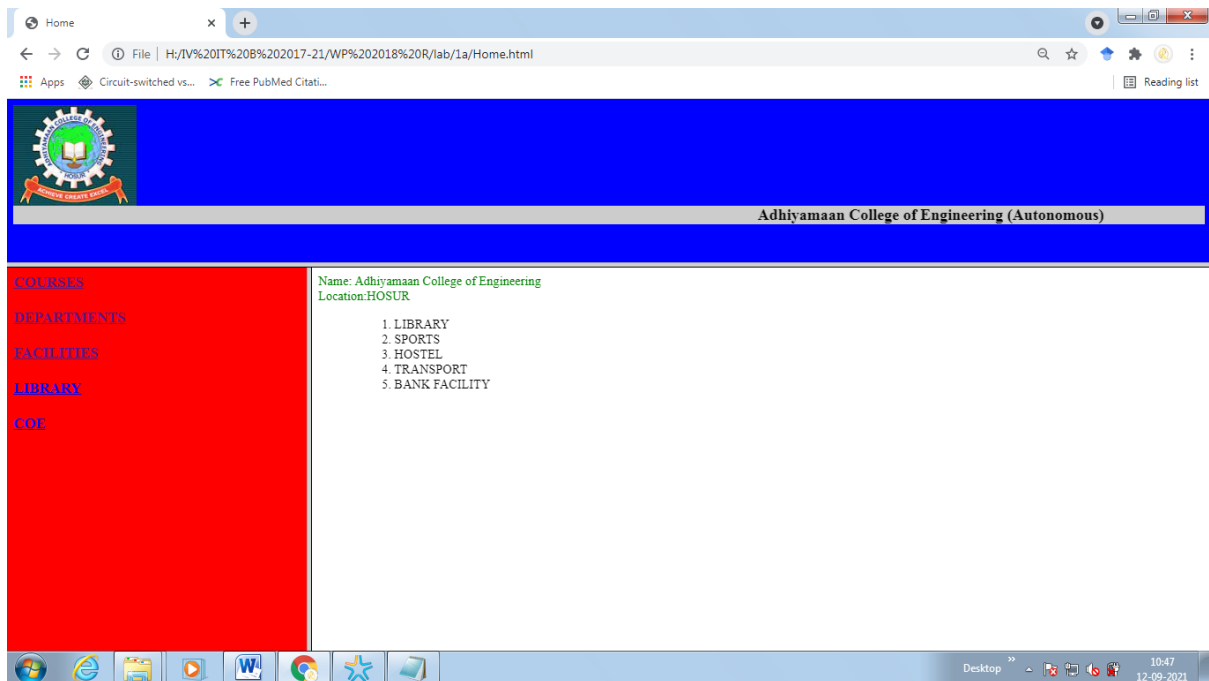


Dept.html



Dept code	Dept name
01	CSE
02	ECE
03	EEE
04	IT
05	MECH
06	AERO

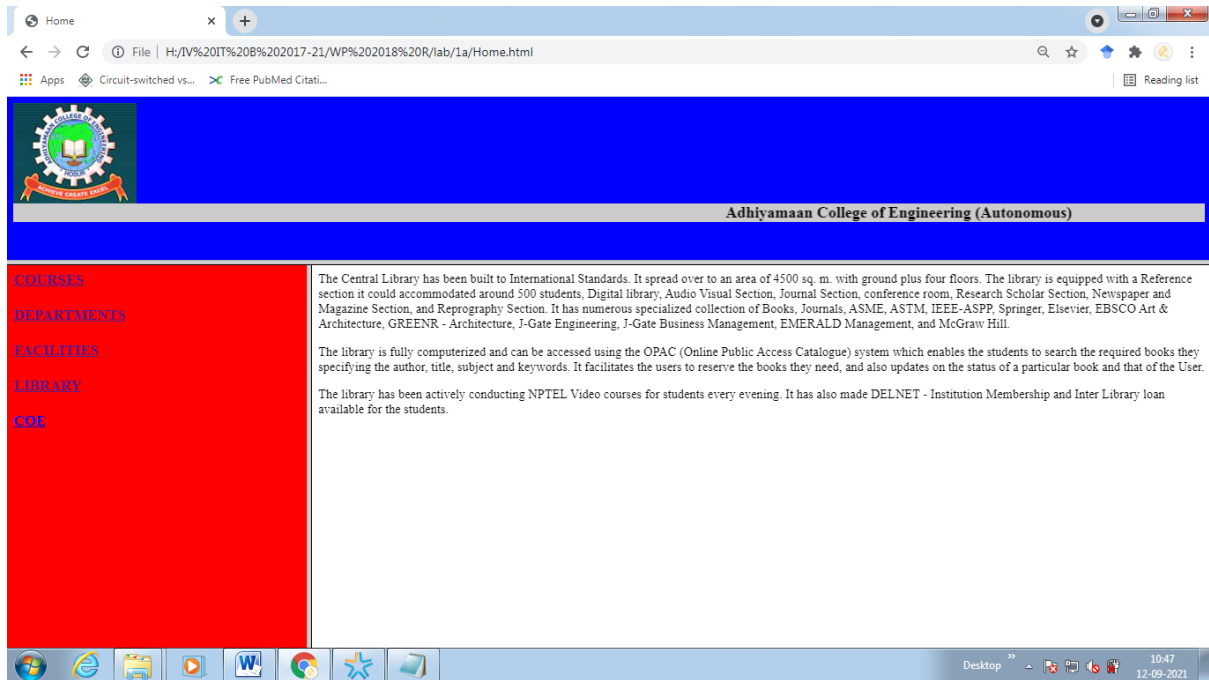
Ad.html



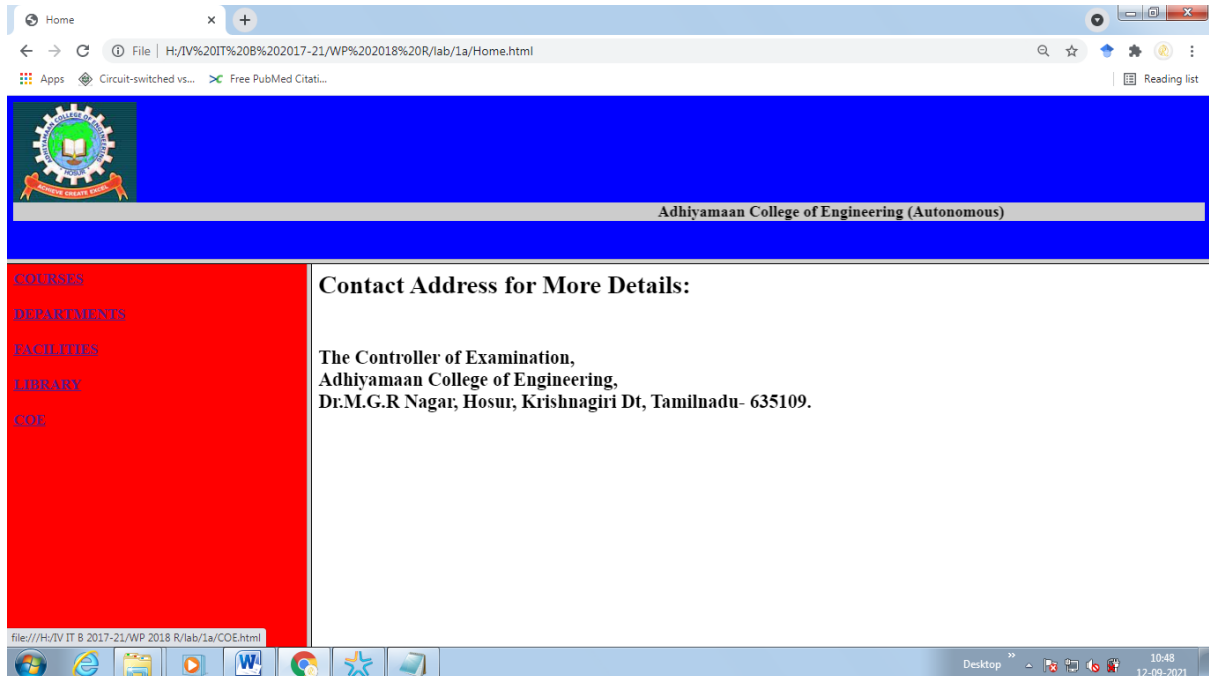
Name: Adhiyamaan College of Engineering
Location: HOSUR

1. LIBRARY
2. SPORTS
3. HOSTEL
4. TRANSPORT
5. BANK FACILITY

Lib.html



COE.html



EX NO : 2

Class timetable using table tag.

time table.html

```
<!DOCTYPE html>
<html>
<body>
  <h1>TIME TABLE</h1>
  <table border="5" cellspacing="0" align="center">
    <!--<caption>Timetable</caption>-->
    <tr>
      <td align="center" height="50"
        width="100"><br>
        <b>Day/Period</b></br>
      </td>
      <td align="center" height="50"
        width="100">
        <b>I<br>9:30-10:20</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>II<br>10:20-11:10</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>III<br>11:10-12:00</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>12:00-12:40</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>IV<br>12:40-1:30</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>V<br>1:30-2:20</b>
      </td>
      <td align="center" height="50"
        width="100">
        <b>VI<br>2:20-3:10</b>
      </td>
```



```

        <td align="center" height="50"
            width="100">
            <b>VII<br>3:10-4:00</b>
        </td>
    </tr>
    <tr>
        <td align="center" height="50">
            <b>Monday</b></td>
        <td align="center" height="50">Eng</td>
        <td align="center" height="50">Mat</td>
        <td align="center" height="50">Che</td>
        <td rowspan="6" align="center" height="50">
            <h2>L<br>U<br>N<br>C<br>H</h2>
        </td>
        <td colspan="3" align="center"
            height="50">LAB</td>
        <td align="center" height="50">Phy</td>
    </tr>
    <tr>
        <td align="center" height="50">
            <b>Tuesday</b>
        </td>
        <td colspan="3" align="center"
            height="50">LAB
        </td>
        <td align="center" height="50">Eng</td>
        <td align="center" height="50">Che</td>
        <td align="center" height="50">Mat</td>
        <td align="center" height="50">SPORTS</td>
    </tr>
    <tr>
        <td align="center" height="50">
            <b>Wednesday</b>
        </td>
        <td align="center" height="50">Mat</td>
        <td align="center" height="50">phy</td>
        <td align="center" height="50">Eng</td>
        <td align="center" height="50">Che</td>
        <td colspan="3" align="center"
            height="50">LIBRARY
        </td>
    </tr>

```

```

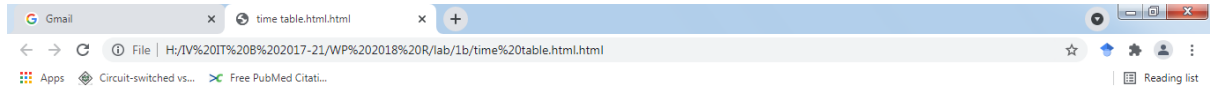
<tr>
  <td align="center" height="50">
    <b>Thursday</b>
  </td>
  <td align="center" height="50">Phy</td>
  <td align="center" height="50">Eng</td>
  <td align="center" height="50">Che</td>
  <td colspan="3" align="center"
    height="50">LAB
  </td>
  <td align="center" height="50">Mat</td>
</tr>
<tr>
  <td align="center" height="50">
    <b>Friday</b>
  </td>
  <td colspan="3" align="center"
    height="50">LAB
  </td>
  <td align="center" height="50">Mat</td>
  <td align="center" height="50">Che</td>
  <td align="center" height="50">Eng</td>
  <td align="center" height="50">Phy</td>
</tr>
<tr>
  <td align="center" height="50">
    <b>Saturday</b>
  </td>
  <td align="center" height="50">Eng</td>
  <td align="center" height="50">Che</td>
  <td align="center" height="50">Mat</td>
  <td colspan="3" align="center"
    height="50">SEMINAR
  </td>
  <td align="center" height="50">SPORTS</td>
</tr>
</table>

</body>

</html>

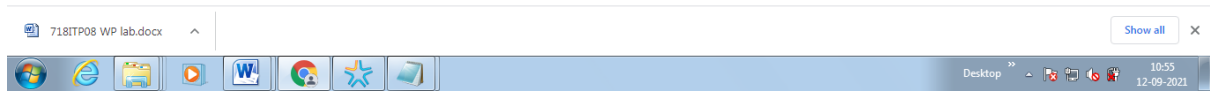
```

OUTPUT:



TIME TABLE

Day/Period	I 9:30-10:20	II 10:20-11:10	III 11:10-12:00	12:00-12:40	IV 12:40-1:30	V 1:30-2:20	VI 2:20-3:10	VII 3:10-4:00
Monday	Eng	Mat	Che	L U N C H	LAB			Phy
Tuesday	LAB				Eng	Che	Mat	SPORTS
Wednesday	Mat	phy	Eng		Che	LIBRARY		
Thursday	Phy	Eng	Che		LAB			Mat
Friday	LAB				Mat	Che	Eng	Phy
Saturday	Eng	Che	Mat		SEMINAR			SPORTS



EX NO : 3 Web page for town Using External, Internal, and Inline CSS

Sample.html

```
<html>
<head>
<style type="text/css">
body
{
  background-image: url("L.jpeg");
background-repeat:no-repeat;
background-position:center center;
background-attachment:fixed;
background-color:pink;
}
a:link { text-decoration:none;color:orange; }
a:visited { text-decoration:none;color:red; }
a:hover { text-decoration:underline;color:blue; }
a:active { text-decoration:underline;color:purple; }
h3 { color:green; }
.c1 { cursor:crosshair }
.c2 { cursor:pointer }
.c3 { cursor:move }
.c4 { cursor:text }
.c5 { cursor:wait }
.c6 { cursor:help }
</style>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body bgcolor="cyan">
<h1 style="color:blue;text-align:center;"> ABOUT HOSUR:: CONCEPT:CSS (Inline,
Internal and External) </h1>
<p>Hosur is an industrial city located in the Indian state of Tamil Nadu. </p>
<p class="left">It is located on the bank of the river River Ponnaiyar: Styled by class
"Left"</p>
<p class="center">Hosur is home to major industries: Styled by class "Center"</p>
<p class="right">Hosur is my town: Styled by class "Right"</p>
<b>Hosur was known as Chevidapadi in the 10th century: normal Bold</b> <br>
<b id="headline">Hosur was part of Kingdom of Mysore: Bold Text is Styled </b>

<h2><b><a href=" images.html">Click HERE TO VIEW HOSUR IMAGES</a></b></h2>
<h3 class="c1">Hosur experiences a tropical savanna climate: The cursor over this element
is plus sign</h3>
<h3 class="c2">The coolest month is January with an average low temperature : The cursor
over this element is a pointing hand</h3>
<h3 class="c3">Hosur is an industrial hub :The cursor over this element is a grasping
hand</h3>
<h3 class="c4">A variety of fruits and vegetables are cultivated around Hosur. :The cursor
over this element is a I bar</h3>
<h3 class="c5">The land is very fertile and there is significant access to fresh water as well
as labor.:The cursor over this element is a wait</h3>
```

```
<h3 class="c6">National Highway AH43 (NH 44) passes through Hosur connecting it with  
Bangalore: The cursor over this element is a question mark</h3>  
</html>
```

style.css

```
p.left  
{  
text-align:left;  
color:blue;  
font-family:Cambria;  
font-size:large;  
text-indent:20px;  
}  
p.center  
{  
text-align:center;  
text-decoration:underline;  
text-transform:uppercase;  
letter-spacing:-3px;  
word-spacing:20px;  
font-size:larger;  
}  
p.right  
{  
text-align:right;  
color:red;  
font-family:Tahoma;  
font-size:15pt;  
text-decoration:overline;  
font-style:italic;  
}  
b#headline  
{  
color:orange;  
font-size:22px;  
font-family:arial;  
text-decoration:underline;  
}
```

Images.html

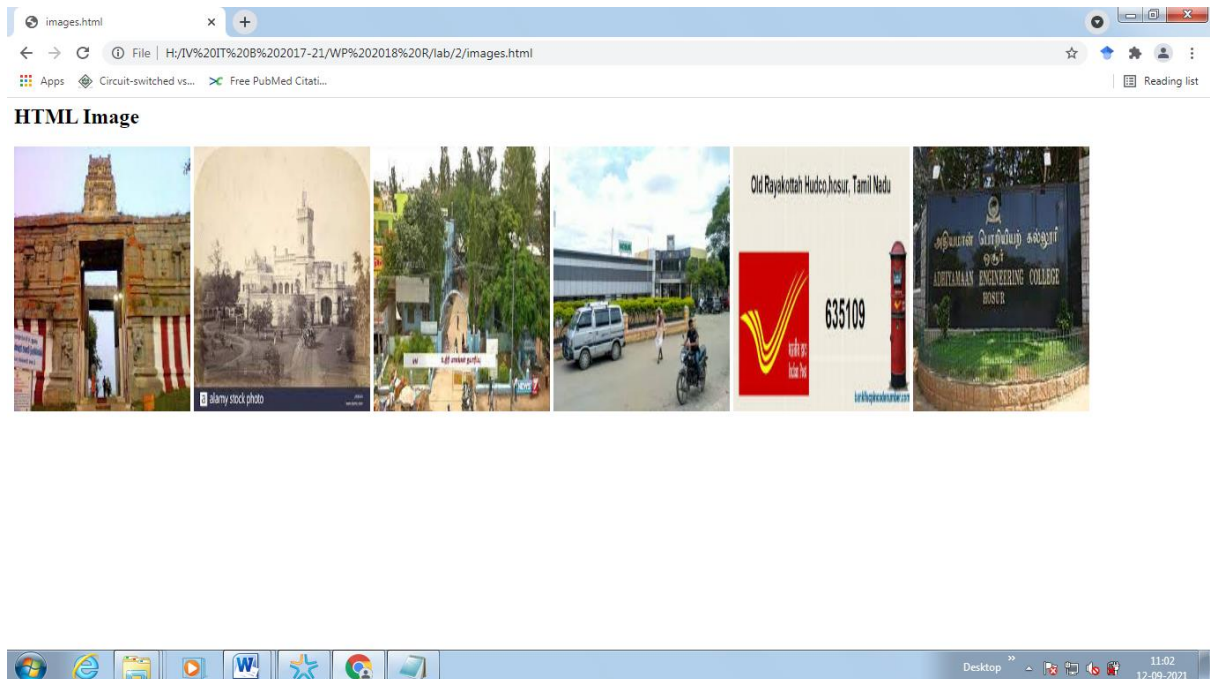
```
<html><body>  
<h2>HTML Image</h2>  
  
  
  
  
  
  
</body>  
</html>
```

OUTPUTS:

Sample.html



Images.html



EX NO 4 Student registration form for job application and validation of the form fields using JavaScript.

StudentRegistration.html

```
<html>
<head>
<script type="text/javascript" src="validate.js"></script>
</head>
<body>
<form action="#" name="StudentRegistration" onsubmit="return(validate());">
<table cellpadding="2" width="20%" bgcolor="99FFFF" align="center"
cellspacing="2">
<tr>
<td colspan=2>
<center><font size=4><b>Student Registration Form</b></font></center>
</td>
</tr>
<tr>
<td>Name</td>
<td><input type="text" name=textnames id="textname" size="30"></td>
</tr>
<tr>
<td>College Name</td>
<td><input type="text" name="collegename" id="collegename"
size="30"></td>
</tr>
<tr>
<td>University </td>
<td><input type="text" name="University" id="University"
size="30"></td>
</tr>
<tr>
<td>Course completed</td>
<td><select name="Course">
<option value="-1" selected>select..</option>
<option value="B.Tech">B.TECH</option>
<option value="MCA">MCA</option>
<option value="MBA">MBA</option>
<option value="BCA">BCA</option>
</select></td>
</tr>
<tr>
<td>Percentage</td>
<td><input type="text" name="Percentage" id="Percentage" size="30"></td>
</tr>
<tr>
<td>Prefred position</td>
<td><select name="position">
<option value="-1" selected>select..</option>
<option value="Software Engineer">Software Engineer</option>
<option value="Testing Engineer">Testing Engineer</option>
<option value="Networking Engineer">Networking Engineer</option>
```

```

<option value="Developer">Developer</option>
<option value="others">others</option>
</select></td>
<tr>
<td>DOB</td>
<td><input type="text" name="dob" id="dob" size="30"></td>
</tr>
<tr>
<td>EmailId</td>
<td><input type="text" name="emailid" id="emailid" size="30"></td>
</tr>
<tr>
<td>MobileNo</td>
<td><input type="text" name="mobilenno" id="mobilenno" size="30"></td>
</tr>
<tr>
<td>Gender</td>
<td><input type="radio" name="Gender" value="male" size="10">Male
<input type="radio" name="Gender" value="Female" size="10">Female</td>
</tr>
<tr>
<td>Prefred City for job</td>
<td><select name="City">
<option value="-1" selected>select..</option>
<option value="Chennai">Chennai</option>
<option value="Bangalore">Bangalore</option>
<option value="Hydrabad">Hydrabad</option>
<option value="others">others</option>
</select></td>
</tr>
<tr>
<td>Personal Address</td>
<td><input type="text" name="personaladdress"
id="personaladdress" size="30"></td>
</tr>
<tr>
<td>State</td>
<td><select Name="State">
<option value="-1" selected>select..</option>
<option value="Tamilnadu">Tamilnadu</option>
<option value="Karnatka">Karnatka</option>
<option value="other">other</option>
</select></td>
</tr>
<tr>
<td>PinCode</td>
<td><input type="text" name="pincode" id="pincode" size="30"></td>
</tr>

<tr>
<td><input type="reset"></td>

```



```

<td colspan="2"><input type="submit" value="Submit Form" /></td>
</tr>
</table>
</form>
</body>
</html>

```

Validate.js

```

function validate()
{
  if( document.StudentRegistration.textnames.value == "" )
  {
    alert( "Please provide your Name!" );
    document.StudentRegistration.textnames.focus() ;
    return false;
  }
  if( document.StudentRegistration.collegename.value == "" )
  {
    alert( "Please provide your collegename!" );
    document.StudentRegistration.collegename.focus() ;
    return false;
  }
  if( document.StudentRegistration.University.value == "" )
  {
    alert( "Please provide your University!" );
    document.StudentRegistration.University.focus() ;
    return false;
  }
  if( document.StudentRegistration.Course.value == "-1" )
  {
    alert( "Please provide your Course!" );
    return false;
  }
  if( document.StudentRegistration.Percentage.value == "" ||
  isNaN( document.StudentRegistration.Percentage.value) ||
  document.StudentRegistration.Percentage.value.length != 4 )
  {
    alert( "Please provide a Percentage in the format #####" );
    document.StudentRegistration.Percentage.focus() ;
    return false;
  }
  if( document.StudentRegistration.position.value == "-1" )
  {
    alert( "Please provide your position!" );
    document.StudentRegistration.position.focus() ;
    return false;
  }
  if( document.StudentRegistration.dob.value == "" )
  {
    alert( "Please provide your DOB!" );
    document.StudentRegistration.dob.focus() ;
    return false;
  }
}

```

```

    }
    var email = document.StudentRegistration.emailid.value;
    atpos = email.indexOf("@");
    dotpos = email.lastIndexOf(".");
    if (email == "" || atpos < 1 || ( dotpos - atpos < 2 ))
    {
        alert("Please enter correct email ID")
        document.StudentRegistration.emailid.focus() ;
        return false;
    }
    if( document.StudentRegistration.mobilenumber.value == "" ||
    isNaN( document.StudentRegistration.mobilenumber.value) ||
    document.StudentRegistration.mobilenumber.value.length != 10 )
    {
        alert( "Please provide a Mobile No in the format 123." );
        document.StudentRegistration.mobilenumber.focus() ;
        return false;
    }
    if ( ( StudentRegistration.Gender[0].checked == false ) && (
    StudentRegistration.Gender[1].checked == false ) )
    {
        alert ( "Please choose your Gender: Male or Female" );
        return false;
    }
    if( document.StudentRegistration.City.value == "-1" )
    {
        alert( "Please provide your City!" );
        document.StudentRegistration.City.focus() ;
        return false;
    }
    if( document.StudentRegistration.personaladdress.value == "" )
    {
        alert( "Please provide your Personal Address!" );
        document.StudentRegistration.personaladdress.focus() ;
        return false;
    }
    if( document.StudentRegistration.State.value == "-1" )
    {
        alert( "Please provide your Select State!" );
        return false;
    }
    if( document.StudentRegistration.pincode.value == "" ||
    isNaN( document.StudentRegistration.pincode.value) ||
    document.StudentRegistration.pincode.value.length != 6 )
    {
        alert( "Please provide a pincode in the format #####." );
        document.StudentRegistration.pincode.focus() ;
        return false;
    }
    return( true );
}

```

OUTPUTS:

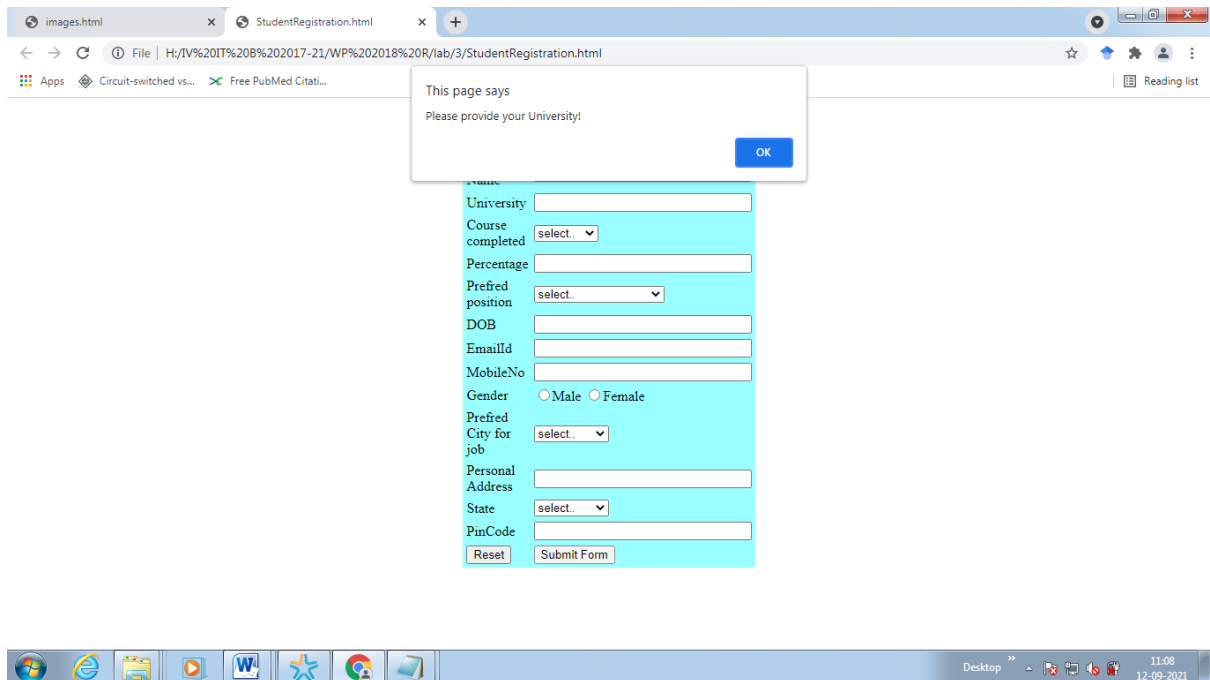
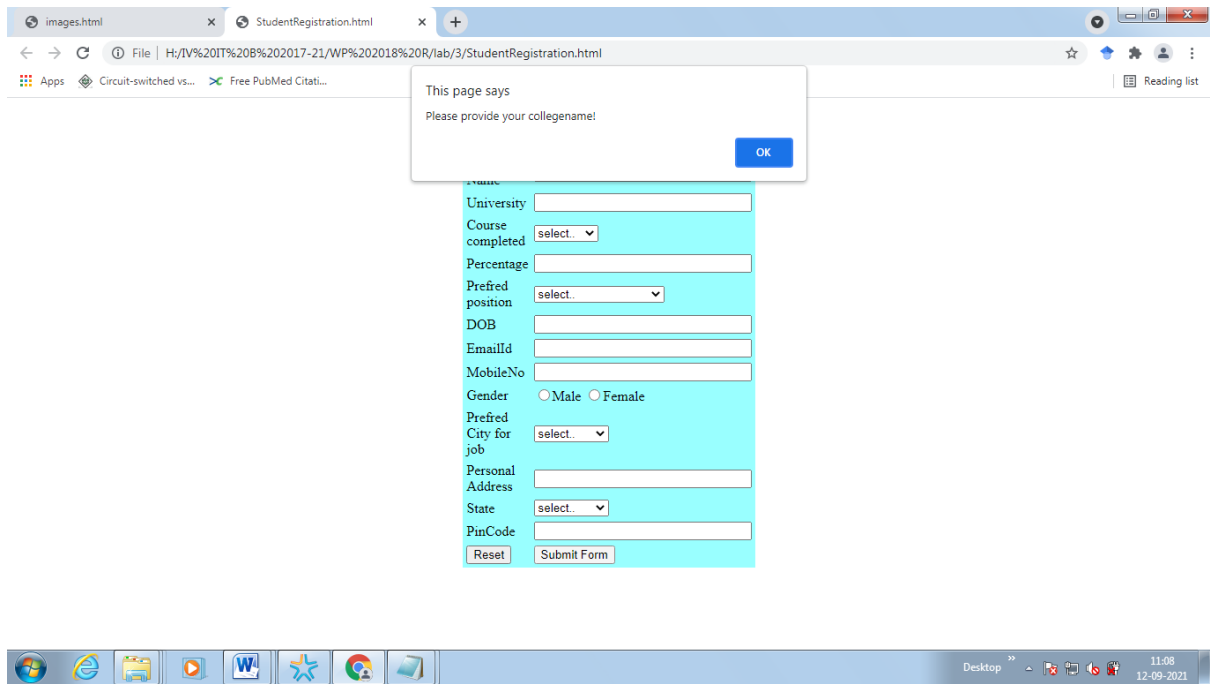
StudentRegistration.html

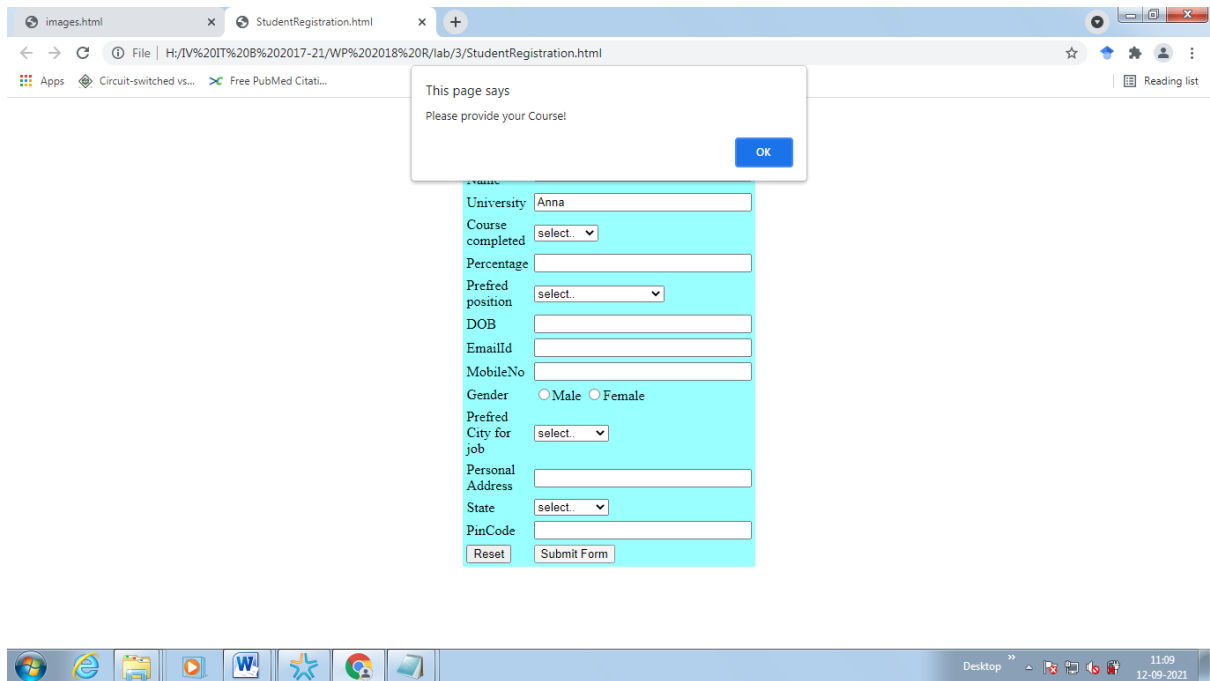
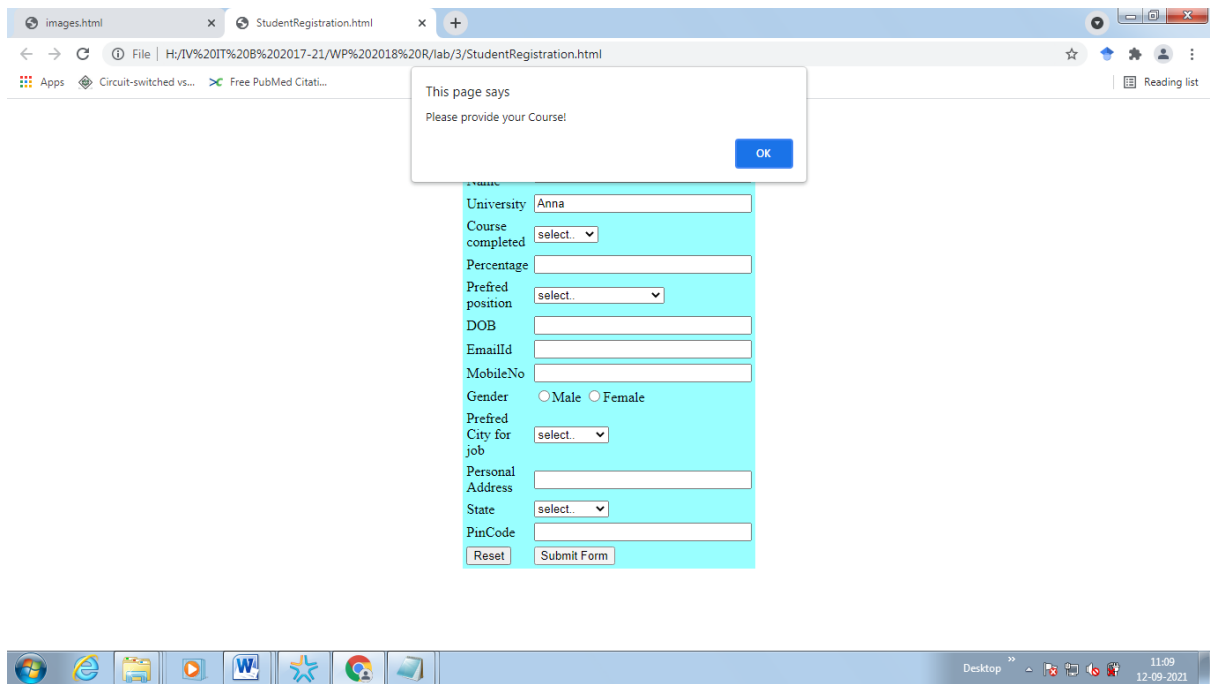
The screenshot shows a web browser window with two tabs: 'images.html' and 'StudentRegistration.html'. The address bar displays the file path: 'H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/3/StudentRegistration.html'. The browser's toolbar includes back, forward, refresh, and search buttons, along with a star icon for bookmarks and a user profile icon. The page content is a 'Student Registration Form' with the following fields and controls:

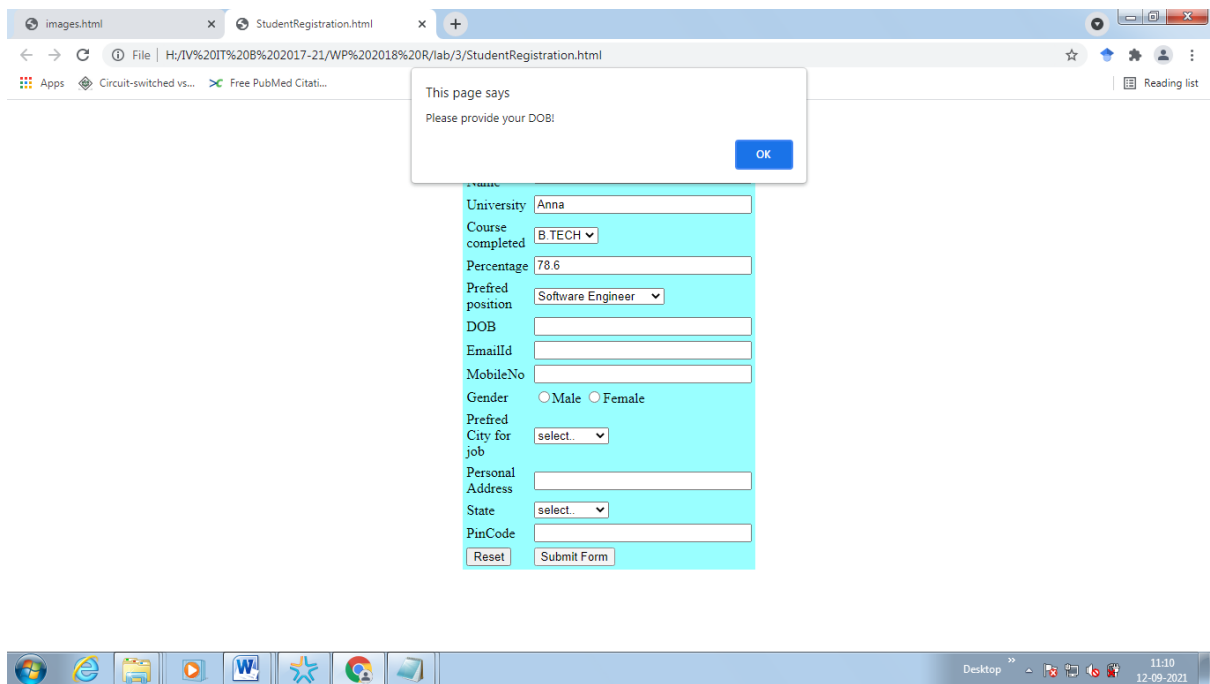
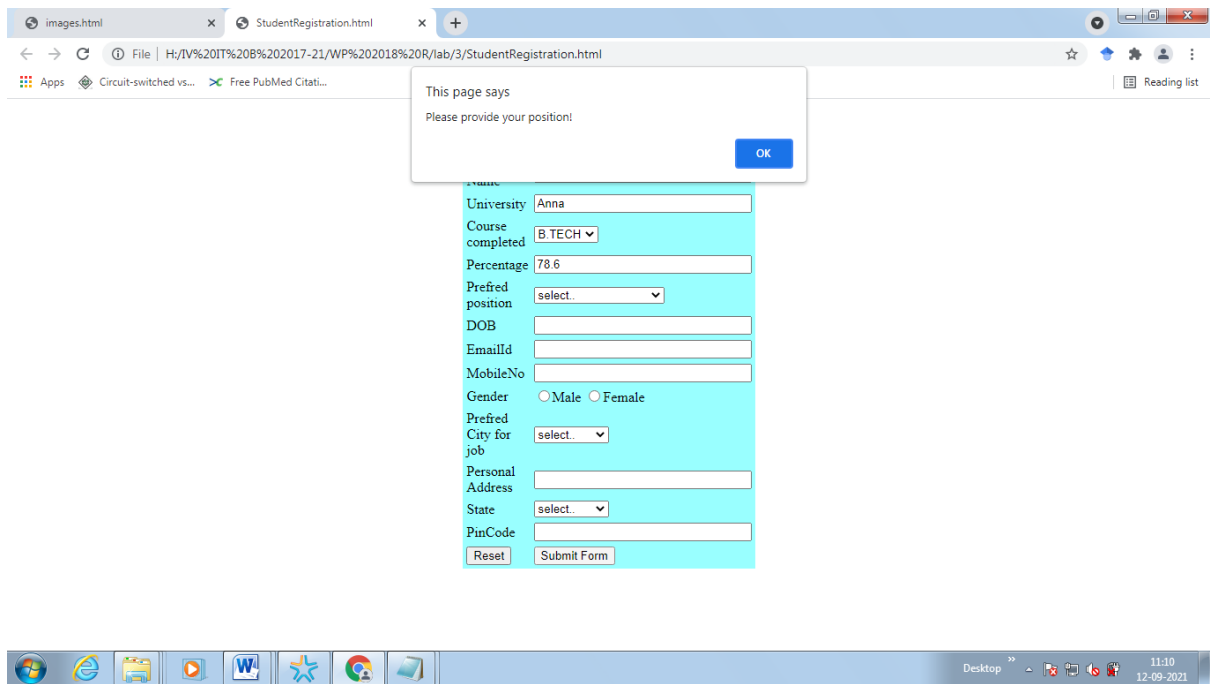
- Name:
- College Name:
- University:
- Course completed:
- Percentage:
- Prefred position:
- DOB:
- EmailId:
- MobileNo:
- Gender: ☐ Male ☐ Female
- Prefred City for job:
- Personal Address:
- State:
- PinCode:
- Buttons:

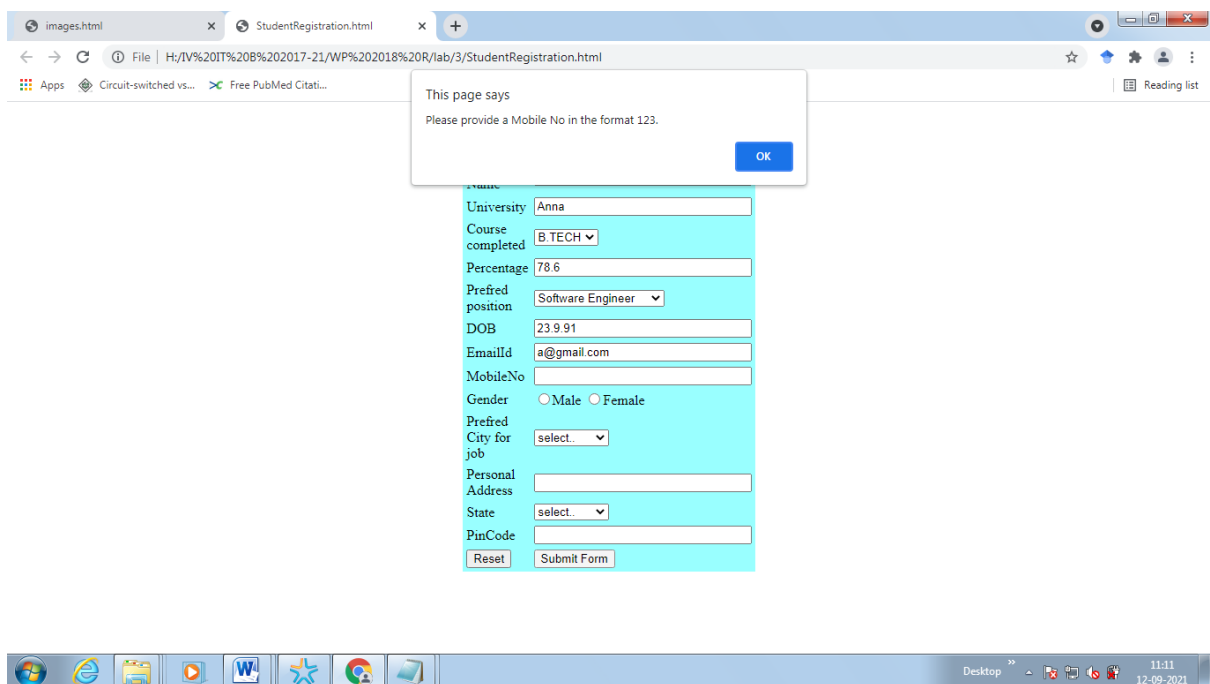
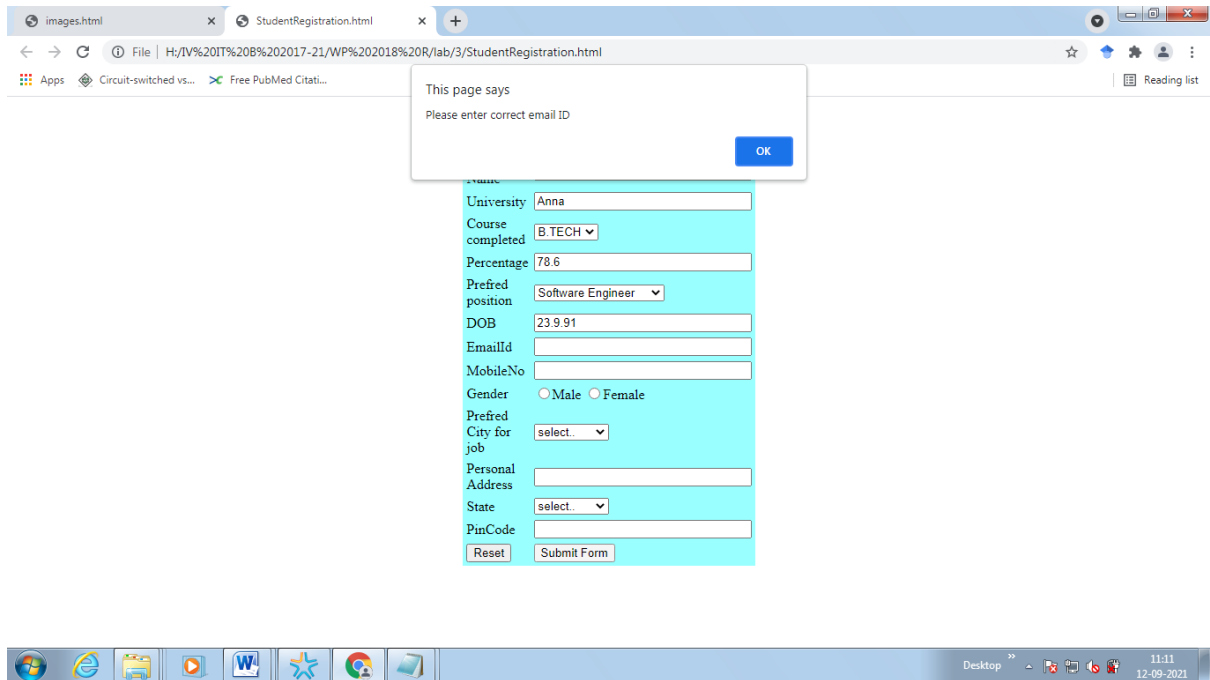
The Windows taskbar at the bottom shows the Start button, several application icons (including Internet Explorer, File Explorer, and Word), and the system tray with the date '12-09-2021' and time '11:07'.

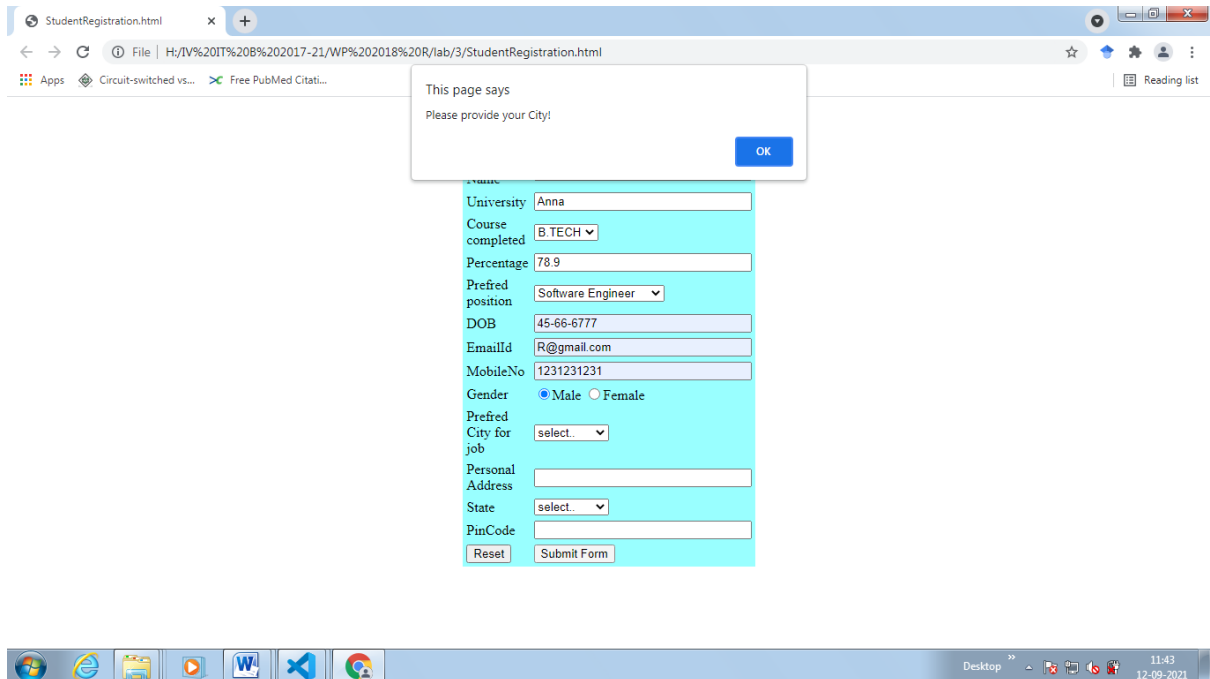
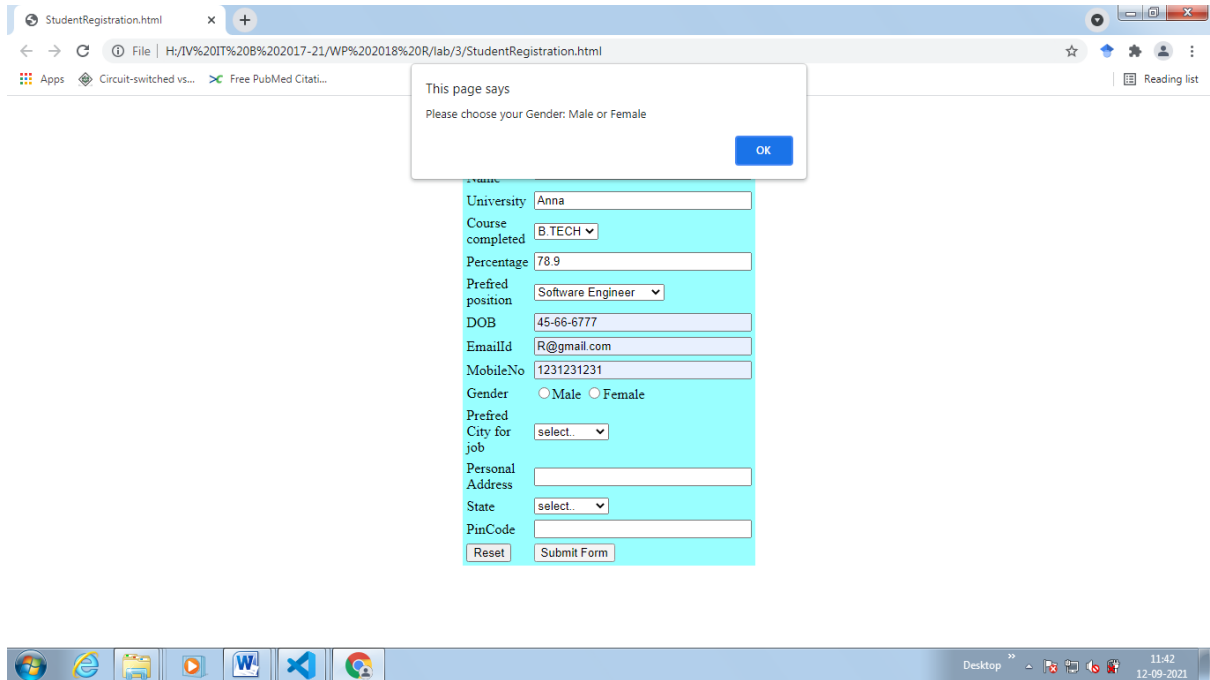
This screenshot shows the same 'Student Registration Form' as the previous one, but with a validation error message displayed. The message box, titled 'This page says', contains the text 'Please provide your Name!' and an 'OK' button. The 'Name' field at the top of the form is empty, which is the cause of the error. All other fields and controls remain the same as in the first screenshot. The browser window and Windows taskbar are also visible, showing the same file path and system information.

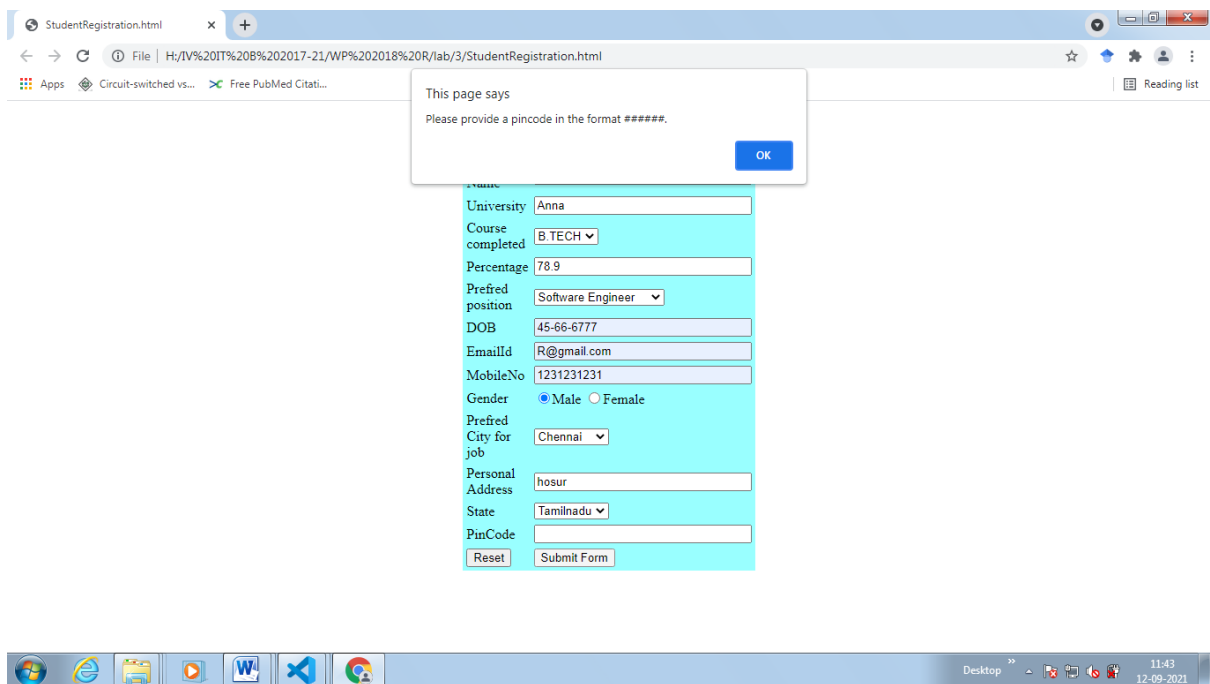
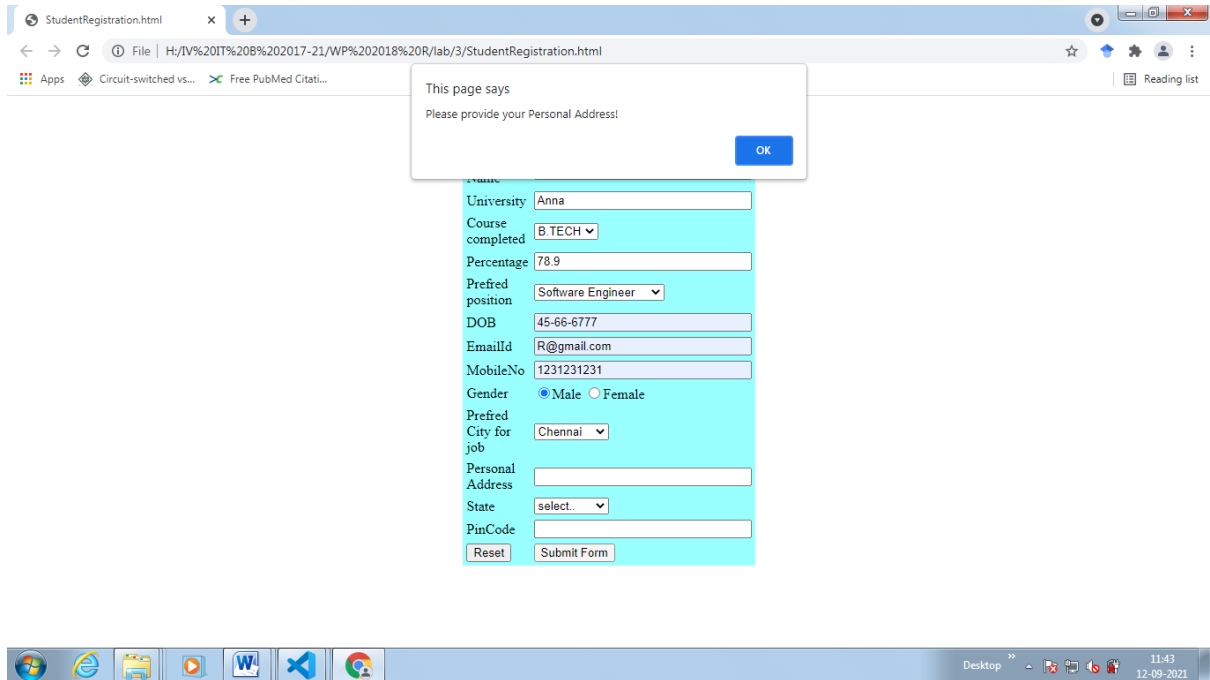












EX NO: 5 Quiz program with adaptive questions using JavaScript.

Quiz.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8"/>
<title>Quiz</title>
<style>
div#test{ border:#5AB029 3px solid; padding:10px 40px 40px 40px; background-
color:#E5FCE3; width:50%;}
</style>
<h1> <center>Quiz program with adaptive questions using JavaScript</center></h1>
<script type="text/javascript">
// pos is position of where the user in the test or which question they're up to
var pos = 0, test, test_status, question, choice, choices, chA, chB, chC, correct = 0;
// this is a multidimensional array with 4 inner array elements with 5 elements inside them
// if you don't want answers viewable in the code, then you should use PHP and mySQL
database
var questions = [
["What is 36 + 42", "64", "78", "76", "B"],
["What is 7 x 4?", "21", "27", "28", "C"],
["What is 16 / 4?", "4", "6", "3", "A"],
["What is 8 x 12?", "88", "112", "96", "C"]
];
// this get function is short for the getElementById function
function get(x){
return document.getElementById(x);
}
function renderQuestion(){
test = get("test");
if(pos >= questions.length){
test.innerHTML = "<h2>You got "+correct+" of "+questions.length+" questions
correct</h2>";
get("test_status").innerHTML = "Test completed";
// resets the variable to allow users to restart the test
pos = 0;
correct = 0;
```

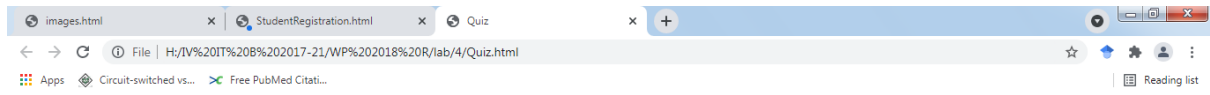
```

// stops rest of renderQuestion function running when test is completed
return false;
}
get("test_status").innerHTML = "Question " + (pos + 1) + " of " + questions.length;
question = questions[pos][0];
chA = questions[pos][1];
chB = questions[pos][2];
chC = questions[pos][3];
test.innerHTML = "<h3>" + question + "</h3>";
// the += appends to the data we started on the line above
test.innerHTML += "<input type='radio' name='choices' value='A'> " + chA + "<br>";
test.innerHTML += "<input type='radio' name='choices' value='B'> " + chB + "<br>";
test.innerHTML += "<input type='radio' name='choices' value='C'> " + chC + "<br><br>";
test.innerHTML += "<button onclick='checkAnswer()'>Submit Answer</button>";
}
function checkAnswer(){
// use getElementByName because we have an array which it will loop through
choices = document.getElementsByName("choices");
for(var i=0; i<choices.length; i++){
if(choices[i].checked){
choice = choices[i].value;
}
}
// checks if answer matches the correct choice
if(choice == questions[pos][4]){
//each time there is a correct answer this value increases
correct++;
}
// changes position of which character user is on
pos++;
// then the renderQuestion function runs again to go to next question
renderQuestion();
}
window.addEventListener("load", renderQuestion, false);
</script>
</head>
<body>
<h2 id="test_status"></h2>
<div id="test"></div>
</body>
</html>

```

OUTPUTS:

Quiz.html

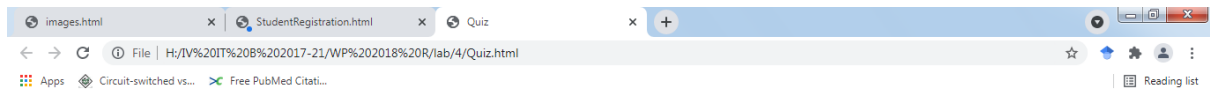


Quiz program with adaptive questions using JavaScript

Question 1 of 4

What is $36 + 42$

☐ 64
☐ 78
☒ 76



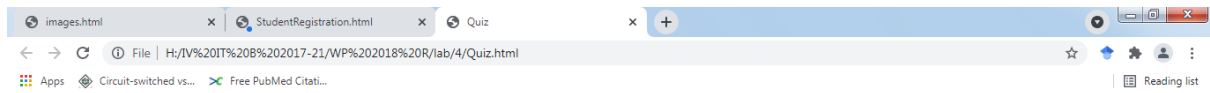
Quiz program with adaptive questions using JavaScript

Question 2 of 4

What is 7×4 ?

☐ 21
☐ 27
☐ 28





Quiz program with adaptive questions using JavaScript

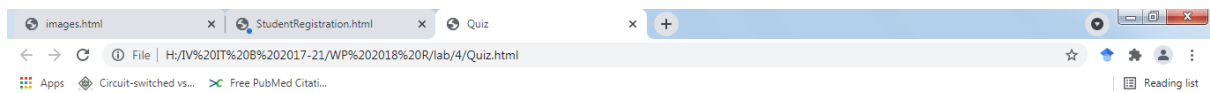
Question 4 of 4

What is 8×12 ?

☐ 88

☐ 112

☒ 96



Quiz program with adaptive questions using JavaScript

Test completed

You got 3 of 4 questions correct



EX NO 6 Online Event Registration form and validate using JQuery

index.html

```
<!DOCTYPE html>
<html>
<head>
  <!-- Latest compiled and minified CSS -->
  <link rel="stylesheet" href=
    "https://maxcdn.bootstrapcdn.com/bootstrap/ 4.0.0/css/bootstrap.min.css">
  <!-- jQuery library -->
  <script src=      "https://ajax.googleapis.com/ajax/libs/
jquery/3.3.1/jquery.min.js">
  </script>
  <!-- Popper JS -->
  <script src=      "https://cdnjs.cloudflare.com/ajax/libs/
popper.js/1.12.9/umd/popper.min.js">
  </script>
  <!-- Latest compiled JavaScript -->
  <script src=      "https://maxcdn.bootstrapcdn.com/bootstrap/
4.0.0/js/bootstrap.min.js">
  </script>
</head>

<body><br>
  <h1 class="text-center text-success">
    Welcome to Dept of IT
  </h1>

  <p class="text-center">
    FORM VALIDATION USING JQUERY
  </p>

  <div class="container">
    <div class="col-lg-8
      m-auto d-block">
      <form>
        <div class="form-group">
          <label for ="user">
            Username:
          </label>
          <input type="text"
            name="username" id="usernames"
            class="form-control">
          <h5 id="usercheck" style="color: red;" >
            **Username is missing
          </h5>
        </div>
```

```

<div class="form-group">
  <label for="user">
    Email:
  </label>
  <input type="email" name="email"
    id="email" required
    class="form-control">
  <small id="emailvalid" class="form-text
    text-muted invalid-feedback">
    Your email must be a valid email
  </small>
</div>

<div class="form-group">
  <label for="password">
    Password:
  </label>
  <input type="password" name="pass"
    id="password" class="form-control">
  <h5 id="passcheck" style="color: red;">
    **Please Fill the password
  </h5>
</div>

<div class="form-group">
  <label for="conpassword">
    Confirm Password:
  </label>
  <input type="password" name="username"
    id="conpassword" class="form-control">
  <h5 id="conpasscheck" style="color: red;">
    **Password didn't match
  </h5>
</div>

<<div class="form-group">
  <label for ="Event">
    Event:
  </label>
  <input type="text"
    name="Event" id="Event"
    class="form-control">
  <h5 id="Eventcheck" style="color: red;" >
    **Event name is missing
  </h5>
</div>
<input type="submit" id="submitbtn"
  value="Submit" class="btn btn-primary">
</form>
</div>

```

```

</div>

<!-- Including app.js jQuery Script -->
<script src="app.js"></script>
</body>
</html>

```

app.js

```

// Document is ready
$(document).ready(function () {

// Validate Username
    $('#usercheck').hide();
    let usernameError = true;
    $('#usernames').keyup(function () {
        validateUsername();
    });

    function validateUsername() {
        let usernameValue = $('#usernames').val();
        if (usernameValue.length == "") {
            $('#usercheck').show();
            usernameError = false;
            return false;
        }
        else if((usernameValue.length < 3)||
                (usernameValue.length > 10)) {
            $('#usercheck').show();
            $('#usercheck').html
("**length of username must be between 3 and 10");
            usernameError = false;
            return false;
        }
        else {
            $('#usercheck').hide();
        }
    }

// Validate Email
    const email =
        document.getElementById('email');
    email.addEventListener('blur', ()=>{
        let regex =
/^([_\-\.0-9a-zA-Z]+)@([_\-\.0-9a-zA-Z]+)\.([a-zA-Z]){2,7}$/;
        let s = email.value;
        if(regex.test(s)){
            email.classList.remove(
                'is-invalid');
            emailError = true;
        }
    }

```



```

        else{
            email.classList.add(
                'is-invalid');
            emailError = false;
        }
    })

// Validate Password
$('#passcheck').hide();
let passwordError = true;
$('#password').keyup(function () {
    validatePassword();
});
function validatePassword() {
    let passwrValue =
        $('#password').val();
    if (passwrValue.length == "") {
        $('#passcheck').show();
        passwordError = false;
        return false;
    }
    if ((passwrValue.length < 3)||
        (passwrValue.length > 10)) {
        $('#passcheck').show();
        $('#passcheck').html
("**length of your password must be between 3 and 10");
        $('#passcheck').css("color", "red");
        passwordError = false;
        return false;
    } else {
        $('#passcheck').hide();
    }
}

// Validate Confirm Password
$('#conpasscheck').hide();
let confirmPasswordError = true;
$('#conpassword').keyup(function () {
    validateConfirmPasswr();
});
function validateConfirmPasswr() {
    let confirmPasswordValue =
        $('#conpassword').val();
    let passwrValue =
        $('#password').val();
    if (passwrValue != confirmPasswordValue) {
        $('#conpasscheck').show();
        $('#conpasscheck').html(
            "**Password didn't Match");
        $('#conpasscheck').css(
            "color", "red");
        confirmPasswordError = false;
    }
}

```

```

        return false;
    } else {
        $('#conpasscheck').hide();
    }
}

// Validate Event
$('#Eventcheck').hide();
let EventError = true;
$('#Event').keyup(function () {
    validateEvent();
});

function validateEvent() {
    let EventValue = $('#Event').val();
    if (EventValue.length == "") {
        $('#Event').show();
        EventError = false;
        return false;
    }
    else if((EventValue.length < 10)||
            (EventValue.length > 20)) {
        $('#Eventcheck').show();
        $('#Eventcheck').html
("**length of Event must be between 10 and 20");
        EventError = false;
        return false;
    }
    else {
        $('#Event').hide();
    }
}

// Submitt button
$('#submitbtn').click(function () {
    validateUsername();
    validatePassword();
    validateConfirmPasswrld();
    validateEmail();
    if ((usernameError == true) &&
        (passwordError == true) &&
        (confirmPasswordError == true) &&
        (emailError == true)) {
        return true;
    } else {
        return false;
    }
});
});

```

OUTPUTS:

index.html

index.html

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/5/index.html

Apps | Circuit-switched vs... | Free PubMed Citati...

Reading list

Welcome to Dept of IT

FORM VALIDATION USING JQUERY

Username:

****length of username must be between 3 and 10**

Email:

Password:

Confirm Password:

<

Event:

Submit

Desktop 11:24 12-09-2021

index.html

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/5/index.html

Apps | Circuit-switched vs... | Free PubMed Citati...

Reading list

Welcome to Dept of IT

FORM VALIDATION USING JQUERY

Username:

Email:

Your email must be a valid email

Password:

Confirm Password:

<

Event:

Submit

Desktop 11:24 12-09-2021

index.html x +

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/5/index.html

Apps Circuit-switched vs... Free PubMed Citati... Reading list

Welcome to Dept of IT

FORM VALIDATION USING JQUERY

Username:

Email:

Password:

****length of your password must be between 3 and 10**

Confirm Password:

<

Event:

Submit

Desktop 11:24 12-09-2021

index.html x +

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/5/index.html

Apps Circuit-switched vs... Free PubMed Citati... Reading list

Welcome to Dept of IT

FORM VALIDATION USING JQUERY

Username:

Email:

Password:

Confirm Password:

****Password didn't Match**

<

Event:

Submit

Desktop 11:25 12-09-2021

EX NO : 7 Webpage to display student consolidate mark statement with pass (green color) or fail (red color)

Calcofres.html

```
<html>
<head>
<title>Registration Form</title>

</head>

<body style="background-color:grey;">

    <center> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br>

    <form name = "form1">
        <table border = "1" style="background-color:white; width:500px;">
            <td colspan = "2" align = "center">Student Mark List</td>
            <tr>

                <td> Student Name</td>
                <td><input type = "text" id="s1"/></td>
            </tr>
            <tr>
                <td colspan = "2" align = "center">Subject Marks</td>
            </tr>
            <tr>
                <td>Web Programming</td>
                <td><input type = "text" name = "wp" id="wp" /></td>
            </tr>
            <tr>
                <td>Computer Graphics</td>
                <td><input type = "text" name = "cg" id="cg" /></td>
            </tr>
            <tr>
                <td>System Programming</td>
                <td><input type = "text" name = "sp" id="sp"/></td>
            </tr>
            <tr>
                <td colspan = "2" align = "center"><input type = "button" onclick="calc()" value
= "calculate" id="calculate"/></td>
            </tr>
            <tr>
                <td>Total</td>
                <td id="total"></td>
            </tr>
        </table>
    </form>
</body>
```

```

        <tr>
            <td>Result</td>
            <td id="result" ></td>
        </tr>

    </table>
</form>
<script src="app.js"></script>
</center>

</body>
</html>

```

app.js

```

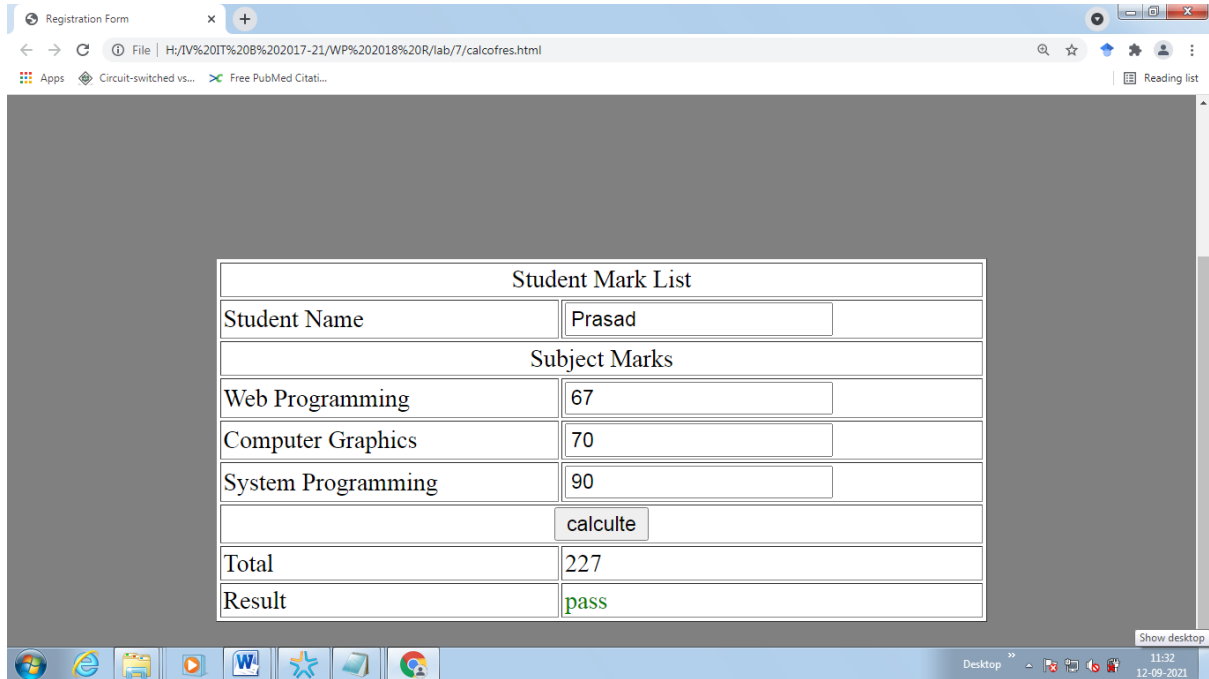
function calc(){
    let wp = parseInt(document.getElementById("wp").value);
    let cg = parseInt(document.getElementById("cg").value);
    let sp = parseInt(document.getElementById("sp").value);
    let t = wp + cg + sp;
    let total = document.getElementById("total");
    let average = document.getElementById("average");
    let result = document.getElementById("result");
    let grade = document.getElementById("grade");

    if( wp<50 || cg < 50 || sp < 50)
    {
        /*result = "fail";
        reult.style.color = "red";
        */
        result.innerHTML = "fail";
        result.style.color = "red";
        total.innerHTML = t;
    }
    else{
        result.innerHTML = "pass";
        result.style.color = "green";
        console.log("Inside passs");
        total.innerHTML = t;
    }
}

```

OOOUTPUTS:

Calcofres.html



Registration Form

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/7/calcofres.html

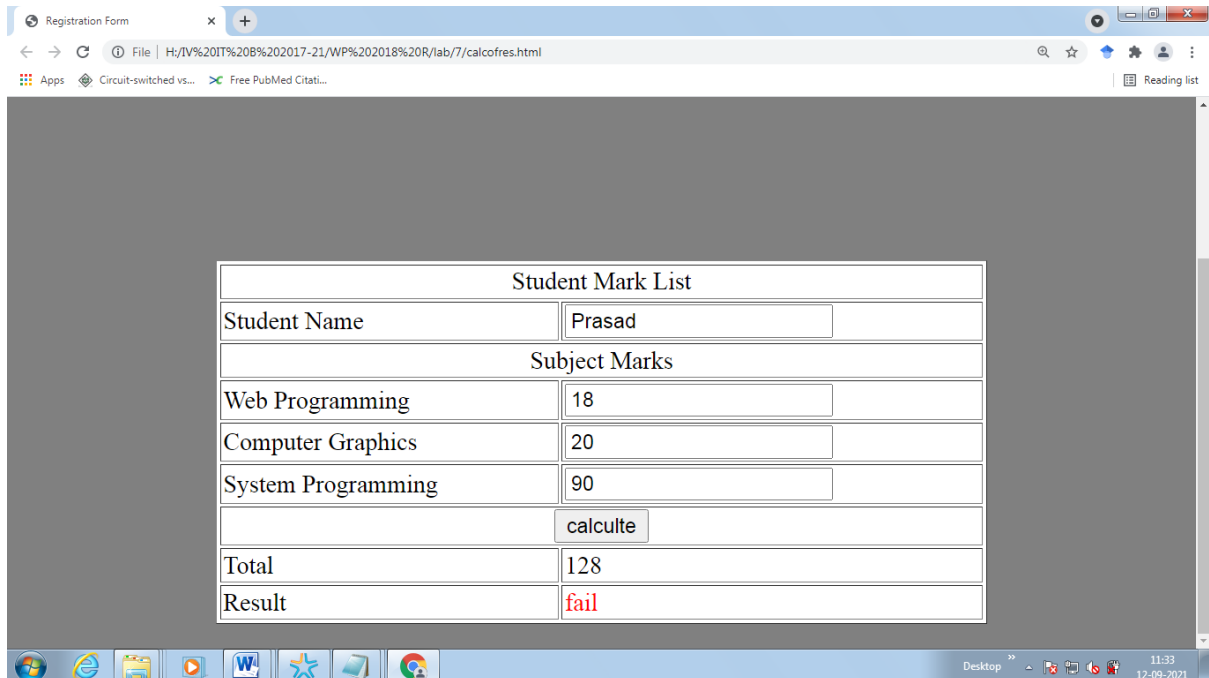
Apps | Circuit-switched vs... | Free PubMed Citati...

Reading list

Student Mark List	
Student Name	Prasad
Subject Marks	
Web Programming	67
Computer Graphics	70
System Programming	90
	<input type="button" value="calculte"/>
Total	227
Result	pass

Show desktop

Desktop 11:32 12-09-2021



Registration Form

File | H:/IV%20IT%20B%202017-21/WP%202018%20R/lab/7/calcofres.html

Apps | Circuit-switched vs... | Free PubMed Citati...

Reading list

Student Mark List	
Student Name	Prasad
Subject Marks	
Web Programming	18
Computer Graphics	20
System Programming	90
	<input type="button" value="calculte"/>
Total	128
Result	fail

Desktop 11:33 12-09-2021

EX NO 8 Program to change the content of the web page using AJAX

Index.html

```
<!DOCTYPE html>

<html>

<body>

<h1>AJAX object to Change the Content of Paragraph</h1>

<p id="p1">In conventional web applications data from the server and data to the server
are sending synchronously.Which means that when we hit the submit button,
it will direct to a new page with new content.By using AJAX we can update
the part of a web page by sending the data to the server or retrieve data
from the server asynchronously. </p>

<button type="button">Click To Change Paragraph Content Using AJAX</button>

<script>
    const button = document.querySelector('button[type=button]')
    button.addEventListener('click',() => {
        fetch('home.txt').then(res => res.text()).then(text => {
            document.getElementById("p1").innerHTML = text
        })
    })
</script>
</body>
</html>
```

Home.txt

AJAX technology (AJAX = Asynchronous JavaScript And XML) is a developer's dream because it can be used to update a content of a web page without reloading the whole page.

OUTPUT:

Index.html



AJAX object to Change the Content of Paragraph

In conventional web applications data from the server and data to the server are sending synchronously Which means that when we hit the submit button, it will direct to a new page with new content By using AJAX we can update the part of a web page by sending the data to the server or retrieve data from the server asynchronously.

[Click To Change Paragraph Content Using AJAX](#)



AJAX object to Change the Content of Paragraph

AJAX technology (AJAX = Asynchronous JavaScript And XML) is a developer's dream because it can be used to update a content of a web page without reloading the whole page.

[Click To Change Paragraph Content Using AJAX](#)



EX NO: 9**JSP WITH JDBC CONNECTIVITY TO CALCULATE THE CURRENT BALANCE,
CUMULATIVE TOTAL OF CREDITS AND DEBITS OF THE INDIVIDUAL CUSTOMERS.****PROGRAM****index.jsp**

```
<html>
<head>
<script src="valid.js" type="text/javascript"></script>
<style>
A: hover
text-decoration: none;
font-family: arial;
font-size: 12px;
color: #000000;
BORDER: none;
text-decoration: underline;
font-family: arial;
font-size: 12px;
color: #000000;
BORDER: none;
</style>
</head>
<body>
<table width="800px" border=0 align="center">
<tr><td align="right"><a href="index.jsp" class="1"
style="color:#000000;">Home</a></td></tr></table>
<br><br><br>
<form name="loginform" method="post" action="loginmid.jsp" onsubmit="return validLogin();">
<table width="250px" border=0 align="center" style="background-color: #ffffee;">
<tr>
<td colspan=2 align="center" style="font-weight: bold; font-size: 20pt;" align="center">User
Login</td></tr>
<tr>
<td colspan=2>&nbsp;  </td>
<td style="font-size: 12pt;" align="center">Login Name</td>
<td><input type="text" name="userName" value=""></td></tr>
<tr>
<td style="font-size: 12pt;" align="center">Password</td>
<td><input type="password" name="password" value=""></td>
<td></td>
<td><input type="submit" name="Submit" value="Login"></td>
<td></td>
<td align="right"><a href="saveuser.jsp">New User?</a></td>
</tr>
</table>
</form>
</html>
```

cash.jsp

```

<%@ include file="logininc.jsp" %>
<html>
<head>
<link rel="stylesheet" href="rfnet.css">
<style type="text/css">
<!--
--->
</style>
<script type="text/javascript" language="javascript" src="datetimepicker.js"></script>
<script language="JavaScript">
<!--
if(document.images){
caling new Image(16,16);
calimg.src="images/cal.gif";}
</script>
</head>
<body>
<form name="cash Form" method="post" action="cashmid.jsp">
<br><br>
<table width="400px" align="center" border=0 style="background-color:ffeeff;">
<tr><td align="center" colspan=2 style="font-weight:bold;font-size:20pt; ">Cash
Transaction</td></tr>
<td align="center" colspan=2>&nbsp;</td>
<td>Account No</td>
<td><input type="text" name="account_no" value=""></td>
<td>Cash</td>
<select name="cashType">
<option value="-1">Select</option>
<option value="Deposit">Deposit</option>
<option value="With Drawn">WithDrawn</option>
</select>
<tr>
<td>Amount</td>
<td><input type="amount" name="amount"><td>
<td>Date</td>
<td><input type="cdate" name="cdate" id="edate"><a
href="javascript:NewCal('cdate','mmdyyyyy')"></a></td>
<tr>
<td></td>
<td><input type="submit" name="Submit" value="Submit"></td>
<tr>
</tr>
<td colspan="2">&nbsp;</td>
</tr>
Statement st = conn.createStatement();
String strQuery = "select count(*), netamount from transaction where username='"+user+"' and
account_no='"+account_no+"' and id=(select max(id) from transaction) group by id";
//out.println("1"+strQuery);
ResultSet rs = st.executeQuery(strQuery);
if(rs.next())

```

```

{
out.println("in select");
if(cash Tune quale
</table>
</form>
</body>
</html>

```

cashmid.jsp

```

<%@ page language="java" import="java.util.* java.sql.* java.text.*;"%>
String DATE_FORMAT_NOW = "yyyy-MM-dd";
Calendar cal = Calendar.getInstance();
SimpleDateFormat sdf = new SimpleDateFormat(DATE_FORMAT_NOW);
String validdate = sdf.format(cal.getTime());
String user = session.getAttribute("userid").toString();
String = request.getParameter("account_no");
String cashType = request.getParameter("cashType");
/* String cdate[] = request.getParameter("cdate").toString().split(" ");
String cd[] = cdate[0].toString().split("-");
String cashdate = cd[2]+"-"+cd[0]+"-"+cd[1]+" "+cdate[1];*/
int amount = Integer.parseInt(request.getParameter("amount").toString());
int netamount=0;
//out.println(user);
out.println(account_no);
//.println(cashType); //out.println(amount);
//out.println(cashdate);
System.out.println("MySQL Connect Example.");
Connection conn = null;
String url = "jdbc:mysql://localhost:3306/";
String dbName = "userdetails";
String driver = "com.mysql.jdbc.Driver";
String username = "root";
String userPassword = "root";
try {
Class.forName(driver).newInstance();
conn = DriverManager.getConnection(url+dbName,username,userPassword);
Statement st = conn.createStatement();
String strQuery = "select count(*),netamount from transaction where username="+user+" and
account_no="+account_no+" and id=(select max(id) from transaction) group by id";
//out.println("1"+strQuery);
ResultSet rs = st.executeQuery(strQuery);
if(rs.next())
out.println("in select");
if(cashType.equals("Deposit"))
netamount amount + rs.getInt(2);
elseif(cashType.equals("Withdrawn"))
if(rs.getInt(2)>amount) {
netamount=rs.getInt(2)-amount;
else{
response.sendRedirect("cash.jsp?errmsg=error");}}
strQuery = "insert into transaction set

```

```

account_no="+account_no+", username="+user+",
amount="+amount+""",cdate="+validdate+""",cashTy pe="+cash
Type+",netamount="+netamount+""";
int i = st.executeUpdate(strQuery);
if(i>0)
response.sendRedirect("welcome.jsp");
}
}
else
netamount amount;
strQuery = "insert into transaction set
account_no="+account_no+", username="user", amount="+amount+",cdate="+validdate+",cash Ty
pe="+cash Type+""",netamount="+netamount+""";
out.println("2 "+strQuery); int ist.executeUpdate(strQuery);
if(i>0){
response.sendRedirect("welcome.jsp");}
{ System.out.println("Connected to the database");
conn.close();
System.out.println("Disconnected from database");
} catch (Exception e) {
e.printStackTrace();
} %>

```

check.jsp

```

<%@ page language="java" import="java.sql.*;"%>
<%
System.out.println("MySQL Connect Example.");
Connection conn = null;
String url="jdbc:mysql://localhost:3306/";
String dbName = "userdetails";
String driver "com.mysql.jdbc.Driver":
String userName = "root":
String password= "root":
Class.forName(driver).newInstance();
try (
conn DriverManager.getConnection(url+dbName,userName, password);
Statement stmt conn.createStatement();
rst stmt.executeQuery("select from user");
while(rst.next()){
out.println(rst.getString(2));
System.out.println("Connected to the database"),
conn.close();
System.out.println("Disconnected from database");
} catch (Exception e) {
e.printStackTrace();
}%>

```

connect.jsp

```

<%@ page language="java" import="java.sql.
<%
Connect Example.");

```

```

Connection conn = null;
String url = "jdbc:mysql://localhost:3306/"; String dbName="userdetails";
String driver "com.mysql.jdbc.Driver";
String userName = "root";
String password = "root";
try {
Class.forName(driver).newInstance();
conn = DriverManager.getConnection(url+dbName, userName,password);
out.println("ok");
System.out.println("Connected to the database");
conn.close();
System.out.println("Disconnected from database");
} catch (Exception e) {
e.printStackTrace();
}%>

```

inc.jsp

```

<%@ page language="java" import="java.sql.*;"%>
<%
// initialize the parameter form
String firstName = "";
String lastname = "";
String userName = "";
String password = "";
String = "";
String contactNo = "";
String address = "";
countryName = "";
String state = "";
String flag = "";
String readOnly = "";
ResultSet rs1=null;
ResultSet rs2=null;
int countUser=0;
int countemail=0;
boolean emailvalid = false;
String validuser = "";
String validemail = "";
// the database connectivity
Connection conn = null;
String url = "jdbc:mysql://localhost:3306/";
String dbName = "userdetails";
String driver = "com.mysql.jdbc.Driver";
String username = "root";
String userPassword = "root";
String submit="";
if(request.getParameter("Submit")!=null)
{
submit request.getParameter("Submit").toString();}
if(request.getParameter("Submit")!=null)
{ firstName = request.getParameter("firstName");

```

```

lastname = request.getParameter("lastname");
userName = request.getParameter("userName");
password= request.getParameter("password");
email = request.getParameter("email");
contactNo request.getParameter("contactNo"); address = request.getParameter("address");
countryName = request.getParameter("countryName");
state = request.getParameter("state");
try {
Class.forName(driver).newInstance();
conn = DriverManager.getConnection(url+dbName, username, userPassword);
Statement st = conn.createStatement();
String strQuery=null;
strQuery= "select * from user where email="+email+"";
rs1 = st.executeQuery(strQuery);
while(rs1.next())
{
countemail++;
}
if(countemail>0)
{ validemail="Email already exists"+"<br>";
} if(session.getAttribute("userid")!=null)
{
readOnly = "READONLY";
strQuery = "select count(*) from user email="+email+"" and username!="+userName+"";
rs2 = st.executeQuery(strQuery);
if(rs2.next())
if(rs2.getInt(1)>0)
{
emailvalid true;
validemail="Email already exists"+"<br>";
}}
if(!emailvalid)
strQuery "update user set first_name+firstName" Jlast_name" + lastname+", username="userName"
password="+password+"email"+email+" contact no+contactNo", address"address"
country_name"country Name+"state"+state" where username="userName+"";
int rs st.executeUpdate(strQuery);
if(rx>0)
response.sendRedirect("welcome.jsp"); 1
else
strQuery "select * from user where username="+userName+""; rs1 st.executeQuery(strQuery);
while(rs1.next())
countUser++;
if(countUser>0)
validuser "User exists"+"<br>";
if(countUser 0 && countemail-0)
strQuery "insert into user set first_name+firstName",
last_name="+lastname+"" ,username="+userName+",password="+password+",email="+email+",cont
act_no=""+"contactNo+", address"+address+"" ,country_name="+country me+" state="+state+"";
int rs = st.executeUpdate(strQuery);
response.sendRedirect("successuser.jsp");
}}

```

```

System.out.println("Connected to the database");
conn.close();
System.out.println("Disconnected database");
} catch (Exception e) {
e.printStackTrace();
else
{
if(request.getParameter("flag")!=null){
flag request.getParameter("flag");
}
if((session.getAttribute("userid")!=null) && flag.equals("edit"))
readOnly = "READONLY";
String user session.getAttribute("userid").toString();
try {
Class.forName(driver).newInstance();
conn = DriverManager.getConnection(url+dbName, username, userPassword);
Statement st = conn.createStatement();
String strQuery = "select * from user where username='"+user+"'";
ResultSet rs = st.executeQuery(strQuery);
while(rs.next())
firstName = rs.getString(1).toString();
lastName = rs.getString(2).toString(); userName = rs.getString(3).toString();
email = rs.getString(5).toString();
contactNo = rs.getString(6).toString();
address = rs.getString(7).toString();
countryName = rs.getString(8).toString();
state = rs.getString(9).toString();
}
System.out.println("Connected to the database");
conn.close();
System.out.println("Disconnected from database");
} catch e) {
e.printStackTrace();
}
%>
<%=validuser%>
<%=validemail%>

```

login.jsp

```

<html>
<head>
<script src="valid.js" type="text/javascript"></script>
<style>
A:hover {
text-decoration: none;font-family:arial;
font-size: 12px;
color: #000000;
text-decoration: underline;
font-family:arial;
font-size:12px;
color: #000000;

```



```

BORDER: none;
style>
<head>
<body>
<table width="800px" border=0 align="center">
<tr><td align="right"><a href="index.jsp" class="l" style="color:#000000;">Home</a></td></tr>
</table>
<br><br><br>
<form name="loginform" method="post" action="loginmid.jsp" onsubmit="return validl.ogin();">
<table border=0 align="center" style="background-color:ffeeff;">
<td colspan=2 align="center" style="font-weight:bold;font-size:20pt;">
align="center">UserLogin</td>
<td style="font-size: 12pt;" align="center">Login Name</td>
<td><input type="text" name="userName" value=""></td>
<td style="font-size: 12pt;" align="center">Password</td>
<td><input type="password" name="password" value=""></td>
</tr>
<tr>
<td></td>
<td><input type="submit" name="Submit" value="Login"></td>
<td><td>
<td align="right"><a href="saveuser.jsp">New User?</a></td>
</table>
</form>
<body>
<html>

```

logininc.jsp

```

<html>
<head>
<style>
A.l:hover
text-decoration: none;
font-family:arial;
font-size:14px;
color: #000000;
BORDER: none;
}
A.l {
text-decoration: underline;
font-family:arial;
font-size: 14px; color: #000000;
BORDER: none;
</style>
</head>
<body><table align="center" width="900px" border=0>
<tr> <td align="right"><a href="index.jsp" class="l" style="color:#000000;">Home</a> <%
if((session.getAttribute("userid")!=null))
{
%>&nbsp; &nbsp;<a href="welcome.jsp" class="l" style="color:#000000;">My
Account</a>&nbsp;&nbsp;<a href="logout.jsp" class="l" style="color:#000000;">Logout</a>

```

```

<%
}%>
</td></tr>
table>
<body
<html>

```

loginmid.jsp

```

<%@ page language="java" import="java.sql.*;"> <html>
<head>
<head>
<body>
String userName = request.getParameter("userName");
String password = request.getParameter("password"); System.out.println("MySQL Connect
Example.");
Connection conn = null;
String url = "jdbc:mysql://localhost:3306/";
String dbName = "userdetails";
String driver = "com.mysql.jdbc.Driver";
String username = "root";
String userPassword = "root";
try
Class.forName(driver).newInstance();
conn = DriverManager.getConnection(url+dbName, username,userPassword);
Statement st conn.createStatement();
String strQuery = "select count(*) from user where username="+userName+" and
password="+password+""; out.println(strQuery);
ResultSet rsst.executeQuery(strQuery);
if(rs.next())
{
if(rs.getInt(1)>0)
session.setAttribute("userid",userName);
response.sendRedirect("welcome.jsp");
}else
{
response.sendRedirect("login.jsp");}}
System.out.println("Connected to the database");
conn.close();
System.out.println("Disconnected from database");
} catch (Exception e) {
e.printStackTrace();
}
}%>
</body>
</html>

```

logout.jsp

```

<%@ page import="java.sql.*;"%>
<html>
<head>
</head>

```

```

<body>
session, invalidate();
response.sendRedirect("login.jsp");
%>
</body>
</html>

```

rfnet.css

descriptions (font-family: Verdana, Arial, Helvetica, sans-serif; font-size: 10pt; font-style: normal; line-height: 11pt; font-weight: normal; font-variant: normal; text-transform: none; color: #000000; text-decoration: none)

.copyright

```

{
font: 8pt/8pt Verdana, Arial, Helvetica, sans-serif; color: #6666;
}

```

.itemdesc

```

{
font: bold &pt/15pt Verdana, Arial, Helvetica, sans-serif.
text-transform: capitalize,
color: #666
text-decoration: none,

```

```

{

```

.title

```

font: bold 10pt 1 Spt Verdana, Arial, Helvetica, sans-serif;
text-transform: capitalize
color: #033
text-decoration: none
}

```

.subtitle

```

{
border-bottom-width: thin
font: 10pt/25pt Verdana, Arial;
text-transform: none;
color: #006666;
background-color: #FFFFCC;
text-decoration: none;
}

```

bottomlinks{

```

font: small-caps &pt/15pt Verdana, Arial, Helvetica, sans-serif;
color: #6666ff,
text-decoration: none;}

```

A(text-decoration: none;

A:link

```

{

```

```

color: #3399cc;
}

```

```

font: bold Spt/15pt Verdana, Arial, Helvetica, sans-serif; text-transform: capitalize;

```

```

color: #0066ff:

```

```

text-decoration: none;

```

```

font: bold 10pt/15pt Verdana, Arial, Helvetica, sans-serif;

```

```

text-transform: capitalize;

```

```

color: #cc0033;
text-decoration: none;
.subtitle
{
border-bottom-width: thin;
font: bold 10pt/25pt Verdana, Arial;
text-transform: none;
color: #006666;
background-color: #FFFFCC;
text-decoration: none;
}
.bottomlinks
{
font: small-caps 8pt/15pt Verdana, Arial, Helvetica, sans-serif; color: #6666ff;
text-decoration: none;
}
A{text-decoration: none;}
A:link
{
Color: #3399cc;
}
<head>
<script src="valid.js" type="text/javascript"></script>
</head>
<body>
<br>
<form name="userform" method="post" onsubmit="return validate();">
<table width="350px" border=0 align="center" style="background-color:ffeeff;">
<td colspan=2 style="font-weight:bold;font-size:20pt; align="center">User Registration</td>
</tr>
<tr>
<td colspan=2>&nbsp;  </td>
</tr>
<tr>
<td>First Name </td>
<td><input type="text" name="firstName" value="<%=firstName%>"></td></tr>
Last Name </td>
<td><input type="text" name="lastname" value="<%=lastname%>"></td>
</tr>
<tr>
<td>Login Name</td>
<td><input name="userName" value="<%=userName%>" <%=readOnly%>></td>
<td><input type="password" name="password" value=""></td>
</tr>
<tr>
<td>Confirm Password</td>
<td><input type="password" name="confirm Password" value=""></td>
</tr>

```

usermid.jsp

```

<%@ page language="java" import="java.sql.*;"%
<html>

```

```

<head>
</head>
String firstName request.getParameter("firstName")
String lastName request.getParameter("lastname");
user Name request.getParameter("userName");
String password request.getParameter("password");
String email request.getParameter("email");
String contact No request.getParameter("contactNo");
String address request.getParameter("address");
String countryName = request.getParameter("countryName");
String state request.getParameter("state");
System.out.println("MySQL Connect Example Connection conn = null;
String url="jdbc:mysql://localhost:3306/";

```

view Transaction.jsp

```

<%@ include file="loginine.jsp" %>
@ page language="java" import="java.sql.*;">
<html>
<head>
<style>
A: hover {text-decoration: none;
font-family:arial;
font-size:12px;
color: #000000;
BORDER: none;
text-decoration: underline;
font-family:arial;
font-size:12px;color: #000000;
BORDER: none;
</style>
</head>
</body>

```

datetimepicker.js

```

//Javascript name: My Date Time Picker
//Date created: 16-Nov-2003 23:19
//Scripter: Teng Yong Ng
//Website: http://www.rainforestnet.com
//Copyright (c) 2003 Teng Yong Ng
DateTimePicker.js
//Version: 1.9
//Contact: contact@rainforestnet.com
// Note: Permission given to use and modify this script in ANY kind of applications if header lines are
left unchanged..
//Date changed: 24-Dec-2007 by Burgsoft (Holland)
//Changed: Year picker as drop down. Code optimised. Tables filled with blank fields as needed,
//Known (non fatal) issue: javascript remains running after month or year select
//Global variables
var winCal;
var di Today new Date();
var Cal;

```

```

// English
var MonthName ["January", "February", "March", "April", "May", "June", "July",
"August", "September", "October", "November", "December"];
var WeekDayName1=["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday",
"Saturday"];
var Week DayName2=["Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday",
"Sunday"]
// Dutch
var MonthName=["januari", "februari", "maart", "april", "mei", "juni", "juli", "augustus",
"september", "oktober", "november", "december"];
var WeekDayName1=["zondag", "maandag", "dinsdag",
"woensdag", "donderdag", "vrijdag", "zaterdag"];
var WeekDayName2=["maandag", "dinsdag",
"woensdag", "donderdag", "vrijdag", "zaterdag", "zondag"];
var exDateTime;//Existing Date and Time var selDate;//selected date. version 1.7
//Configurable parameters
var ThemeBg="";//Background image of Calendar window.
var PrecedeZero true;//Preceding zero [true/false]
var Monday FirstDay false;//true: Use Monday as first day, false: Sunday as first day.
[true|false]//added
in version 1.7
//end Configurable
//end Global variable.
function NewCal(pCtrl,pFormat,pShowTime,pTimeMode,pScroller,pHideSeconds)
if ((pShowTime!=null) && (pShowTime))
var enTop="200";//top coordinate of calendar window.
var cnLeft="500";//left coordinate of calendar window
var Window Title="Date Time Picker";//Date Time Picker title.
var WeekChar-2;//number of character for week day. if 2 then Mo, Tu, We. if 3 then Mon, Tue, Wed.
var CellWidth 30://Width of day cell.
var DateSeparator="-";//Date Separator, you can change it to "/" if you want.
var Time Mode-24://default TimeMode value. 12 or 24
var Show Long Month-true;//Show long month name in Calendar header. example: "January".
var Show Year-true;//Show Month and Year in Calendar header
var Month YearColor="#cc0033";//Font Color of Month and Year in Calendar header.
var WeekHeadColor="#0099CC";//Background Color in Week header.
var SundayColor="#6699FF";//Background color of Sunday.
var SaturdayColor="#CCCCFF";//Background color of Saturday.
var Week DayColor="white":/ Background color of weekdays.
var of font in Calendar day cell.
var TodayColor="#FFFF33";//Background color of today.
var SelDateColor="#FFFF99";//Backgrond color of selected date in textbox.
var YrSelColor="#cc0033"://color of font of Year selector.
var MthSelColor="#cc0033";//color of font of Month selector if "MonthSelector" is "arrow".
var ThemeBg""; //Background image of Calendar window.
var PrecedeZero=true;//Preceding zero [true/false]
var Monday FirstDay= false;//true: Use Monday as first day; false: Sunday as first day. [true/false]
//added in version 1.7
//end Configurable parameters
//end Global variable
function NewCal(pCtrl,pFormat,pShowTime,pTimeMode,pScroller,pHideSeconds)

```

```

Cal=new Calendar(dtToday);
if ((pShowTime!=null) && (pShowTime))
Cal.Show Time true;
if ((pTimeMode!=null) && ((pTimeMode='12') || (pTimeMode=='24'))))
{
TimeMode=pTimeMode;
if ((pHideSeconds!=null)&&(pHideSeconds))
(
Cal.ShowSeconds=false;
if (pCtrl!=null)
Cal.Ctrl=pCtrl;
if (pFormat!=null)
Cal.Format pFormat.toUpperCase();
if (pScroller!=null)
if (pScroller.toUpperCase()!="ARROW")
Cal.Scroller "ARROW";
else
Cal.Scroller "DROPDOWN";
)return (this.GetMonthName(false)+DateSeparator+pDate Date Separator this. Year);
else if (this.Format.toUpperCase()=="YYYYMMDD")
return (this. Year+DateSeparator Month Digit+DateSeparator pDate);
else if (this.Format.toUpperCase()=="YYYYMMMDD")
return (this. Year+DateSeparator+this.GetMonthName(false)+DateSeparator+pDate);
else
return (pDate+DateSeparator+(this,Month+1)+DateSeparator+this. Year);)
Calendar.prototype. Format Date-FormatDate;

```

valid.js

```

function emailcheck(str) (
var at="@ "
var dot="."
var lat str.indexOf(at)
var lstr-str.length
var ldot str.indexOf(dot)
if (str.indexOf(at)=-1){
alert("The eMail address @ convention appears to be invalid.")
return false
}
if (str.indexOf(at)-1 || str.indexOf(at)-0 || str.indexOf(at)-lstr)(
alert("The eMail address' convention appears to be invalid.")
return false
if (str.indexOf(dot)=-1 || str.indexOf(dot)=0 || str.indexOf(dot)==lstr) (
alert("The eMail address 'dot' convention appears to be invalid.")
return false
if (str.indexOf(at, (lat+1))!=-1)(
alert("The eMail address '@' convention appears to be invalid.")
return false
}
if (str.substring(lat-1,lat) dot || str.substring(lat+1,lat+2)-dot) ( alert("The eMail address 'dot'
convention to be invalid.")
return false

```

```

if (str.indexOf(dot, (lat+2))!=-1){
alert("The eMail address 'dot' convention appears to be invalid.")
return false
if (str.indexOf(" ")!=-1){
alert("The eMail address spacing convention appears to be invalid.")
return false
}
return true
}
function validate()
var emailID=document.userform.email;
if (document.userform.firstName.value=="")
alert("Please enter first name.");
document.userform.firstName.focus();
return false;
}
if (document.userform.lastname.value == "")
alert("Please enter last name.");
document.userform.lastname.focus();
return false;
if (document.userform.userName.value=="")
alert("Please enter username."); document.userform.userName.focus();
return false;
if (document.userform.password.value == "")
alert ("Please enter password."); document.userform.password.focus();
return false;
if (document.userform.confirmPassword.value == "")
alert("Please enter confirm password."); document.userform.confirmPassword.focus();
return
}
if (document.userform.confirm Password.value != document.userform.password.value)
alert("Confirm password must be same."); document.userform.confirmPassword.focus();
return false;
if ((emailID.value null) || (emailID.value=="")) { alert("Please Enter your Email Address")
emailID.focus()
return false
if (emailcheck(emailID.value) false) ( emailID,value="
emailID.focus()
return false
}
if (document.userform.contactNo.value == "")
{
alert("Please enter contact no.");
document.userform.contact No.focus();
return false;
if (document.userform.address.value=="")
alert("Please enter address.");
document.userform.address.focus();
return
)
if == "")

```



```

alert("Please enter country.");
document.userform.countryName.focus();
return false;
if (document.userform.state.value == "")
alert("Please enter state.");
document.userform.state.focus();
false;
}
return true;
}
function valid Login()
if (document.loginform.userName.value == "")
{
alert("Please enter Login Name.");
document.loginform.userName.focus();
return false;
if (document.loginform.password.value == "")
{
alert("Please enter password.");
document.userform.password.focus();
return false;
return true;
function passValid()
if (document.changepassform.oldpassword.value=="")
alert("Please enter Old password.");
document.changepassform.oldpassword.focus();
return false;
}
if (document.changepassform.newpassword.value == "")
alert("Please enter new password."); document.changepassform.newpassword, focus();
return false;
}
if (document.changepassform.cpassword.value == "")
alert("Please enter confirm password."); document.changepassform.cpassword.focus();
return false;
if (document.changepassform.cpassword.value != document.changepassform.newpassword.value)
alert("Confirm password must be same.");
document.changepassform.cpassword.focus();
return false;
return true;
}

```

OUTPUT

[Home](#)

Welcome To Bank Application

[Login](#)

[Register](#)

[Home](#)

User Registration

First Name

Last Name

Login Name

Password

Confirm Password

Email

Contact No

Address

Country Name

State

Save User

[Home](#) | [My Account](#) | [Logout](#)

User Registration

First Name	<input type="text" value="Vineet"/>
Last Name	<input type="text" value="Bansal"/>
Login Name	<input type="text" value="vineet"/>
Password	<input type="password" value=""/>
Confirm Password	<input type="password" value=""/>
Email	<input type="text" value="admin@roseindia.net"/>
Contact No	<input type="text" value="011-2676786786"/>
Address	<input type="text" value="Delhi"/>
Country Name	<input type="text" value="India"/>
State	<input type="text" value="Delhi"/>
<input type="button" value="Save User"/>	

[Home](#)

User Login

Login Name	<input type="text" value="vineet"/>
Password	<input type="password" value=""/>
<input type="button" value="Login"/>	

[New User?](#)

[Home](#) | [My Account](#) | [Logout](#)

Welcome admin

[Update profile](#)

[Cash Transaction](#)

[View Transaction](#)

EX NO:10 DEVELOP A WEB SERVICE FOR AN AIRLINE MANAGEMENT IMPLEMENT THE FOLLOWING SENARIO USING DATABASE

PROGRAM

index.html

```
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Search Flight</title>
<link rel="stylesheet"
href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/themes/smoothness/jquery-ui.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
<script
src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/jquery-ui.min.js"></script>
<script>
$( "#dt1" ).datepicker({
singleDatePicker: true,
dateFormat: "yy-mm-dd-DD",
calender_style: "picker_4", },
function(start, end, label) {
```

[Home](#) | [My Account](#) | [Logout](#)

Cash Transaction

Account No

Cash

Amount

Account No : 1

Username : vinet

Name : Vinet Baral

[Home](#) | [My Account](#) | [Logout](#)

Transaction Report				
SNo	Amount	Net Amount	Cash Type	Date
1	100	100	Deposit	2002-02-02
2	100	200	Deposit	2002-02-02
3	100	300	Deposit	2002-02-02
4	50	250	Withdrawal	2002-02-02
5	150	400	Deposit	2002-02-02

```

console.log(start.toISOString(), end.toISOString(), label); });
</script>
<!-- <script>
S('#dt2').daterangepicker({
singleDatePicker: true,
dateFormat: "yy-mm-dd-DD",
calendar_style: "picker_4", },
function(start, end, label) {
console.log(start.toISOString(), end.toISOString(), label);
});
</script> -->
<script>
S(document).ready(function () {
S("#dt1").datepicker({
dateFormat: "yy-mm-dd-DD",
minDate: 1,
onSelect: function (date) {
var date2 = S('#dt1').datepicker('getDate');
date2.setDate(date2.getDate()+1);
//sets minDate to dt1 date +1
S('#dt2').datepicker('option', 'minDate', date2);
}
});
S('#dt2').datepicker({
dateFormat: "dd-M-yy-DD",
minDate: 2,
}); });</script>
<Style>
inner
{
display: inline-block;
width: 190px;
}
.button {
.button {
background-color: #ccccb3;
color: #1a1a00;
text-decoration: none;
display: inline-block;
cursor:
-webkit-border-radius: 3px;
-moz-border-radius: 3px;
border-radius: 3px;
}
}
</Style>
</head>
<body>
<div width=100% height=100%
style="min-width: 1000px min-height: 1000px;">
<form action="servlet/reservations" method="post">

```



```

<table border="1" width=41% align="center">
<tr>
<td colspan="3" height="60" align="center" valign="center"
bgcolor="#000080"><font size="6" color="#FFFFFF"><b>Airline Ticket
Reservation</b></font></td></tr>
<td height="150" width="160"></td>
<td height=150" width="160"></td>
<td height="150" width="160"></td>
</tr>
<tr bgcolor="#c3c388">
<td colspan="3" height="80" style="line-height: 35px;"><b><font size="5">Airport</font></b><br/>
From <select id="fromAirport" NAME="fromAirport" style="width: 200px"
onchange="S('#imageToSwap').attr('src', this.options[this.selectedIndex].value); "required>
<option value="" selected="selected" disabled required> Departure Airport</option>
<option value="images/calicut-CCJ-png.png">Calicut, India</option>
<option value="images/dubai-DXB-png.png">Dubai, UAE</option>
<option value="images/jeddah-JED-png.png">Jeddah, Saudi Arabia</option>
<option value="images/sydney-SYD-png.png">Sydney, Australia</option>
<option value="images/kaula-KUL-png.png">Kuala Lumpur, Malaysia</option>
<option value="images/delhi-DEL-png.png">Delhi, India</option>
</select>
<div class="Airport" style="float: right;">
To <select id="toAirport" NAME="to Airport" style="width: 220px"
onchange="$('#imageSwap').attr('src', this.options[this.selectedIndex].value);" required>
<option value="" selected="selected" disabled required> Arrival Airport</option>
<option value="images/calicut-CCJ-png.png">Calicut, India</option>
<option value="images/dubai-DXB-png.png">Dubai, UAE</option>
<option value="images/jeddah-JED-png.png">Jeddah, Saudi Arabia</option>
<option value="images/sydney-SYD-png.png">Sydney, Australia</option>
<option value="images/kaula-KUL-png.png">Kuala Lumpur, Malaysia</option>
<option value="images/India-IND-png.png">India</option>
</select>
<div id="test"></div></td>
<script>
jQuery(document).ready(function () {
() {
if (S('select + $(this).val() + ""]:selected").length > 1)
{
S(this).val(0);
alert("**Destination can't be the same as Departure..!")
});
});
</script>
<tr bgcolor="#c3c388">
<td colspan="3" height="40" style="line-height: 35px;">
<b><font size="4">Date: </font></b>"You should book one day before Travel..!"<br />
Depart <input type="text" id="dt1" Name="depdt" style="width: 180px" required>
<script>

```

```

S('input').keypress(function(e) {
e.preventDefault();
});
</script>
<!-- <div class="date" style="float: right;">
<!-- Return <input type="text" id="dt2" onkeydown="return false" Name="rtdt" style="width:
180px">
</div><br /> <font size="2" color="#808080">*For one-way flight keep "Return" date
blank</font>
</td>
bgcolor="#8a8a5e">
<td colspan="3" align="right">
<div class="inner" style="float: right;">
type="submit" value="Search" class="button">
</div>
</td>
</tr>
</table>
</form>
</div>
</body>
</html>

```

reservations.java

```

import java.io.IOException;
import java.io. Print Writer,
import java.sql.DriverManager;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation..WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.mysql.jdbc.Connection;
import com.mysql.jdbc.PreparedStatement;
import com.mysql.jdbc.ResultSet;
/**
 * Servlet implementation class Reservation
 */
@WebServlet("servlet/reservations")
public class reservations extends HttpServlet {
private static final long serialVersionUID = 1L;
/**
 * @see HttpServlet#HttpServlet()
 */
public reservations() {
super();

```

```

// TODO Auto-generated constructor stub
}
/**
 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
 * protected doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException,
 * IOException {
 *     response.setContentType("text/html");
 *     Print out = response.getWriter();
 *     String from Airport = request.getParameter("from Airport");
 *     String[] fromAirport1 = fromAirport.split("-");
 *     String fromAirport2 = fromAirport1[1];
 *     request.setAttribute("from", from Airport2);
 *     String to Airport request.getParameter("to Airport");
 *     String[] to Airport1 = to Airport.split("-");
 *     String to Airport2 = to Airport1[1];
 *     request.setAttribute("to", to Airport2);
 *     String dt request.getParameter("depdt");
 *     //System.out.println("departure: "+fromAirport2);
 *     //System.out.println("Arrival: "+toAirport2);
 *     //System.out.println("date: "+dt);
 *     //System.out.println();
 *     try
 *     SimpleDateFormat format1 = new SimpleDateFormat("yyyy-MM-dd");
 *     Date dt1 format1.parse(dt);
 *     DateFormat format2=new SimpleDateFormat("EEEE");
 *     String dayOfWeek=format2.format(dt1);
 *     //System.out.println("formatted date: "+dt1);
 *     //System.out.println("day : "+dayOfWeek);
 *     java.sql.Date d= new java.sql.Date(dt1.getTime());
 *     request.setAttribute("date",d);
 *     //System.out.println("sqldate "+d);
 *     Class.forName("com.mysql.jdbc.Driver");
 *     Connection con= (Connection)
 *     DriverManager.getConnection("jdbc:mysql://127.0.0.1:3306/airlinedb", "nasykt", "nasim007");
 *     if(dayOfWeek.equals("Sunday") || dayOfWeek.equals("Tuesday") ||
 *     dayOfWeek.equals("Thursday") || dayOfWeek.equals("Friday")) {
 *     if (fromAirport2.equals("SYD") && to Airport2.equals("CCJ")) (from Airport2.equals("CCJ") && toA
 *     irtport2.equals("DEL")) || (from Airport2.equals("JED") && to Airport2.equals("DEL")) || (from
 *     Airport2.equals("DEL") && toAirport2.equals("DXB")) || (from Airport2.equals("SYD") && to
 *     Airport2.equals("
 *     DEL")) (fromAirport2.equals("SYD") && toAirport2.equals("KUL")) || (fromAirport2.equals("SYD"
 *     )&& toAirport2.equals("JED")) || (fromAirport2.equals("CCJ") && toAirport2.equals("KUL")) || (from
 *     Airport2.equals("DXB") && to Airport2.equals("JED")) || (fromAirport2.equals("KUL") && toAirport2
 *     .equals("DXB")) || (from Airport2.equals("JED") && toAirport2.equals("KUL"))) (
 *     String nofly "No Flight available on ";
 *     request.setAttribute("nofly",nofly);
 *     //System.out.println("No Flight available on "+d+" from "+from Airport2+" to " +HoAirport2);
 *     //System.out.println();
 *     PreparedStatement pl (PreparedStatement) con.prepareStatement("UPDATE AIRPORT SET DP DT-
 *     2,AR DT=? WHERE datecode ?");
 *     }else{

```



```

pl.setDate(1,d);
pl.setDate(2,d);
pl.setInt(3,2);
PreparedStatement p (PreparedStatement) con.prepareStatement("SELECT
pl.executeUpdate();
AIRPORT.A ID,AIRPORT DP AP AIRPORT AR AP AIRPORT.DP_DT,AIRPORT.AR_DT,AIRPORT.DP_TM
AIRPORT.AR_TM,AIRPORT.F PRICE TOTAL,PRICE.CURR FROM AIRPORT JOIN PRICE ON AIRPORT.PR
ID=PRICE.P ID WHERE AIRPORT.DP_AP=? and
AP=? and AIRPORT.datecode=?;");
p.setString(1,fromAirport2);
p.setString(2,to Airport2);
p.setInt(3,1);
ResultSet s
s=(ResultSet) p.executeQuery();
while(s.next()) {
request.setAttribute("DeprtureAirport",s.getString("AIRPORT.DP_AP"));
request.setAttribute("Arrival Airport",s.getString("AIRPORT.AR_AP"));
request.setAttribute("Departure Date",s.getDate("AIRPORT.DP_DT"));
request.setAttribute("Departure Time",s.getTime("AIRPORT.DP_TM"));
request.setAttribute("Arrival
request.setAttribute("Flight Name",s.getString("AIRPORT.F_NAME"));
request.setAttribute("Price Total",s.getBigDecimal("PRICE.TOTAL"));
request.setAttribute("Currency",s.getString("PRICE.CURR"));
//System.out.println(""+s.getString("AIRPORT.DP_AP")+"-"+s.getString("AIRPORT.AR_AP"));
//System.out.println("Departure Date:"+s.getDate("AIRPORT.DP_DT"));
if (s.getInt("AIRPORT.A_ID")-9) || (s.getInt("AIRPORT.A_ID")-31) || (s.getInt("AIRPORT.A_ID")-
35) || (s.getInt("AIRPORT.A_ID")==37)){
Date dat s.getDate("AIRPORT.AR_DT");
Calendar e Calendar.getInstance();
c.setTime(dat);
c.add(Calendar.DATE, 1);
date.getTime();
SimpleDateFormat format3 = new SimpleDateFormat("yyyy-MM-dd");
String dts format3.format(dat);
request.setAttribute("Arrival Date", dts);
//System.out.println("Arrival Date:"+dts);
request.setAttribute("Arrival Date",s.getDate("AIRPORT.AR_DT"));
//System.out.println(" Arrival Date:"+s.getDate("AIRPORT.AR_DT"));
//System.out.println("Departure Time:"+s.getTime("AIRPORT.DP_TM")+ "IST " + " Arrival Time
//System.out.println(" Arrival Time: "+s.getTime("AIRPORT.AR_TM")+ "IST ");
//System.out.println("Flight Name: "+s.getString("AIRPORT.F_NAME"));
//System.out.println("Total Price: "+s.getBigDecimal("PRICE.TOTAL")+ "
"+s.getString("PRICE.CURR"));
//System.out.println();
PreparedStatement p3 = (PreparedStatement) con.prepareStatement("SELECT
PRICE BASIC, PRICE TAX,PRICE.DISCOUNT, PRICE.CURR FROM PRICE JOIN AIRPORT
ON AIRPORT.PR_ID=PRICE.P_ID WHERE AIRPORT.DP_AP=? and AIRPORT.AR AP=? and
datecode=?;");
p3.setString(1,fromAirport2);
p3.setString(2,to Airport2);
p3.setInt(3,1);

```

```

ResultSet s;
s = (ResultSet) p3.executeQuery();
while(s.next()) (
//System.out.println("Price Details: ");
request.setAttribute("Basic Price",s.getBigDecimal("PRICE.BASIC"));
request.setAttribute("Tax",s.getBigDecimal("PRICE.TAX"));
request.setAttribute("Discount",s.getBigDecimal("PRICE.DISCOUNT"));
request.setAttribute("Curr",s.getString("PRICE.CURR"));
//System.out.println("Basic Fare: "+s.getBigDecimal("PRICE.BASIC")+ ", TaX
"+s.getBigDecimal("PRICE.TAX")+ ", Discount: "+s.getBigDecimal("PRICE.DISCOUNT")+ ",
Currency: "+s.getString("PRICE.CURR"));
//System.out.println("----->");
else if(dayOfWeek.equals("Monday") ||
dayOfWeek.equals("Wednesday") || dayOfWeek.equals("Saturday")){
if((fromAirport2.equals("CCJ")&&to Airport2.equals("SYD")) || (from Airport2.equals("DEL")&&to
Airport2.equals("CCJ")) || (fromAirport2.equals("DEL")&&to Airport2.equals("JED")) || (from Airport
2.equals("DXB") &&to Airport2.equals("DEL")) || (fromAirport2.equals("DEL") &&toAirport2.equals
("SYD") (from Airport2.equals("KUL")&&to Airport2.equals("SYD") (from Airport2.equals("JED
")&&to Airport2.equals("SYD")) || (fromAirport2.equals("KUL")&&toAirport2.equals("CCJ")) || (fro
mAirport2.equals("JED") &&to Airport2.equals("DXB")) || (from Airport2.equals("DXB") &&toAirpor
12.equals("KUL")) || (from Airport2.equals("KUL") &&toAirport2.equals("JED"))){
String nofly "No Flight available on ";
request.setAttribute("nofly",nofly);
//System.out.println("No Flight available on "+d+ from "+from Airport2+" to "+to Airport2);
//System.out.println();
}
else {
PreparedStatement pl =(PreparedStatement) con.prepareStatement("UPDATE AIRPORT SET
DP_DT=?,AR DT=? 'WHERE datecode=?");
pl.setDate(1,d);
pl.setDate(2,d);
pl.setInt(3,2);
pl.executeUpdate();
PreparedStatement p2 (PreparedStatement) con.prepareStatement("SELECT AIRPORTA
ID,AIRPORT.DP AP,AIRPORTAR AP AIRPORT.DP_DT AIRPORT.AR_DT.AI RPORT.DP TM,AIRPORT.AR
TM,AIRPORT.F NAME, PRICE TOTAL, PRICE.CURR FROM AIRPORT JOIN PRICE ON AIRPORT.PRID-
PRICE.P_ID WHERE AIRPORT.DP_AP=? and AIRPORT.AR_AP and AIRPORT.datecode=7;");
p2.setString(1,fromAirport2);
p2.setString(2,to Airport2);
p2.setInt(3,2);
ResultSet s;
s= (ResultSet) p2.executeQuery();
while(s.next()) {
request.setAttribute("Deprturt Airport",s.getString("AIRPORT.DP_AP"));
request.setAttribute("Arrival Airport",s.getString("AIRPORT.AR_AP"));
request.setAttribute("Departure Date",s.getDate("AIRPORT.DP_DT"));
request.setAttribute("Departure Time",s.getTime("AIRPORT.DP_TM")); request.setAttribute("Arrival
Time",s.getTime("AIRPORT.AR TM")); request.setAttribute("Flight
Name",s.getString("AIRPORT.F_NAME")); request.setAttribute("Price
Total",s.getBigDecimal("PRICE.TOTAL")); request.setAttribute("Currency",s.getString("PRICE.CURR"))
//System.out.println("'+s.getString("AIRPORT.DP_AP")+ "' "+s.getString("AIRPORT.AR_AP"));

```

```

//System.out.println("Departure Date:"+s.getDate("AIRPORT.DP_DT")); if
((s.getInt("AIRPORT.A_ID")==12) || (s.getInt("AIRPORT.A_ID")-16) || (s.getInt("AIRPORT.A_I
D")=18) || (s.getInt("AIRPORT.A_ID")=-30)) {
Date dat=s.getDate("AIRPORT.AR_DT");
Calendar c=Calendar.getInstance();
c.setTime(dat);
c.add(Calendar.DATE, 1);
dat=c.getTime();
SimpleDateFormat format3=new SimpleDateFormat("yyyy-MM-dd"); String dts
format3.format(date);
request.setAttribute("Arrival Date",dts);
//System.out.println("Arrival Date: "+dts);
}else{
request.setAttribute("Arrival Date",s.getDate("AIRPORT.AR_DT"));
//System.out.println("Arrival Date:"+s.getDate("AIRPORT.AR_DT"));
//System.out.println("Departure Time:"+s.getTime("AIRPORT.DP_TM")+ "IST "+ "Arrival
Time"+s.getTime("AIRPORT.AR_TM")+ "IST ");
//System.out.println("Arrival Time: "+s.getTime("AIRPORT.AR_TM")+ " IST");
//System.out.println("Flight Name: "+e.getString("AIRPORT.F_NAME"));
//System.out.println("Total Price: "+s.getBigDecimal("PRICE.TOTAL")+ "
"+s.getString("PRICE.CURR"));
//System.out.println();
p4 (PreparedStatement) con.prepareStatement("SELECT
PRICE BASIC, PRICE TAX PRICE DISCOUNT, PRICE.CURR FROM PRICE JOIN AIRPORT
ON AIRPORT.PR ID=PRICE.P ID WHERE AIRPORT.DP_AP=? and AIRPORT.AR_AP=? and
datecode=?;");
p4.setString(1,fromAirport2);
p4.setString(2,to Airport2);
p4.setInt(3,2);
ResultSet s;
s=(ResultSet) p4.executeQuery();
while(s.next()){
//System.out.println("Price Details: ");
request.setAttribute("Basic Price",s.getBigDecimal("PRICE.BASIC"));
request.setAttribute("Tax",s.getBigDecimal("PRICE.TAX"));
request.setAttribute("Discount",s.getBigDecimal("PRICE.DISCOUNT"));
request.setAttribute("Curr",s.getString("PRICE.CURR"));
//System.out.println("Basic Fare: "+s.getBigDecimal("PRICE.BASIC")+ ", TaX
"+s.getBigDecimal("PRICE.TAX")+ ", Discount: "+s.getBigDecimal("PRICE.DISCOUNT")+ ", Currency:
"+s.getString("PRICE.CURR"));
//System.out.println("
RequestDispatcher view=request.getRequestDispatcher("/Result.jsp");
view.forward(request,
return;
catch (Exception e) {
System.out.println(e);
}}

```

result.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Airline Reservation</title>
<Style>
.resize(
width: 250px;
height: auto;
}
#outer
{
width: 100%;
{
out.println(request.getAttribute("Price Total"));
}
else{
out.println("");
}
%>
<% if(request.getAttribute("Currency") != null)
{
out.println(""+request.getAttribute("Currency"));
else {
out.println("");
}
%>
</font></b>
</td>
</tr>
<tr bgcolor="#c3c388">
<td height="60" width="260"; >
<b><i><font size="2.5" color="#992600">
<% if (request.getAttribute("Basic Price") != null)
{
out.print("PRICE DETAILS: ");
else{
out.println("");
}
%>
font></A>
<div style="float: center;" align="center"> <font size="2.5">
<% if request.getAttribute("Basic Price") != null)
out.println("Basic:"+request.getAttribute("Basic Price")+","");
else (
out.println("");
<% if (request.getAttribute("Tax") != null)
out.println("Tax:"+request.getAttribute("Tax"));
else (
out.println("");
<%

```

```

</br>
<% if (request.getAttribute("Discount") != null)
{
out.println("Discount:"+request.getAttribute("Discount")+ " , ");
}
else (
out.println("");
%>
<% if (request.getAttribute("Curr") != null)
{
out.println("Curr: "+request.getAttribute("Curr"));
else (
out.println("");
}
</b>
</font>
</div>
</td>
<tr bgcolor="#999966">
<td colspan="3">
<div id="outer">
<div class="inner" style="float: left;">
<button class="button" onclick="location.href=
'http://localhost:8080/AirlineReservations/index.html';" id="myButton" >Home Page</button>
</form></div>
<div class="inner" style="float: right;">
<%
if (request.getAttribute("Departure Date") != null) (
<input type=button class="button" value="Book your Flight 'OnClick="show_alert()">
<%}
if (request.getAttribute("Departure Date") = null) (
out.println("");
}%>
</div>
<!--<div class="inner" style="float: right;">
<!--<form action="servlet/Reservations" method="post">
<!--<input type="hidden" id="dt1" Name="depdt"
value="<%=request.getSession().getAttribute("rtdt") %>"
<!--<input type="submit" value="Return Flight" class="button"> </form></div>..>
</div>
</td>
</tr>
</table>
</div>
</body>
</html>

```

web.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"

```

```

xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd" id="WebApp_ID" version="3.1">
<display-name>Airline Reservations</display-name>
<welcome-file-list>
<welcome-file>index.html</welcome-file>
<welcome-file>index.htm</welcome-file>
<welcome-file>index.jsp</welcome-file>
<welcome-file>default.html</welcome-file>
<welcome-file>default.htm</welcome-file>
<welcome-file>default.jsp</welcome-file>
</welcome-file-list>
<servlet>
<servlet-name>reservations</servlet-name>
<servlet-class>reservations</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>reservations</servlet-name>
<url-pattern>/servlet/reservations</url-pattern>
</servlet-mapping>
</web-app>

```

OUTPUT

front page (index.html)

Result Page(result.jsp)