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Ex No:1	Working with HTML5 tags
Date of Exercise	11.7.16

Create a document that conforms to HTML5 standards and has the following elements: *doctype, html, meta (in the revised html5 format), title, body, head, div, p, span, headings, image, anchor, table ,list , html comment.*

1. Your site is very simple. It consists of a page heading and 3 sections. Each section contains a sub heading and some text. You can make it dummy text, it doesn't matter.
2. Section1: dummy text + all types of hyper links [external link with target, internal link, bookmark, email link, phone link, and clickable image].
3. Section 2 dummy text + definition list, ordered nested List and unordered nested list.
4. Section 3: dummy text + table in the given format to display information in rows and columns.
5. All HTML pages must pass the official HTML5 specifications via <http://validator.w3.org/>
6. You are NOT allowed to use
 tag and any CSS.

Here is the mockup illustration of the site. Your final result should look very close to this mockup.

Page Heading

[Subheading 1](#)

[Subheading 2](#)

[Subheading 3](#)

Sub Heading 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

External link – link to <http://www.karunya.edu/cse/index.php>

Internal link – [nextpage.html](#)

Email link: [send your feedback](#)

Phone link: [9999999999](#)



Clickable image: _____

Sub Heading 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

PHP

Server side scripting language

Javascript

Client side scripting language

This is a fairly complicated mixed list created in CKEditor.

- First item
 1. First item of the nested list
 2. Second item of the nested list
 - This item is nested even further
 - And this one too
 - A. First item of yet another numbered list
 - B. Second item of yet another numbered list
- Second item
- Third item

Sub Heading 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

[Go to top](#)

Source Code & Screenshot

```
<div>Clickable image: <a href="but.jpg"><u>
</u></a></div>
</div>
<div>
<h2 id="sub2">Sub Heading 2</h2>
<pre>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</pre>
<dl>
<dt>Php</dt>
<dd>Server side scripting language</dd>
<dt>Javascript</dt>
<dd>Client side scripting language</dd>
<dt>This is fairly complicated mixed list created by CKEditor</dt>
<dd><ul style="list-style-type:disc">
<li>First Item<ol type="1"><li>First item of the nested list</li>
<li>Second item of the nested list<ul style="list-style-type:square"><li>This item is nested even further</li><li>And this one too<ol type="A"><li>First item of yet another ordered list</ol></li></ul></li>
</ol>
</li>
<li>Second item</li>
<li>Third item</li>
</ul>
</dd>
</dl>
</div>
<div>
<h2 id="sub3">Sub Heading 3</h2>
<pre>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,<span style="color:red"> quis </span>nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</pre>
```

```
<table style="border-collapse:collapse;width: 500px;height: 200px;" border="1" >
<tr>
<td rowspan="2" colspan="4"></td>
<td colspan="2"></td>
</tr>
<tr>
<td colspan="2"></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</table>
<a href="#">Go to top</a>
</div>
</body>
</html>
```

SCREENSHOTS:



Page Heading

Subheading1 Subheading2 Subheading3

Sub Heading 1

lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

External link- link to <http://www.karunya.edu/cse/index.php>

Internal link: [nextpage.html](#)

Email link: [send you feedback](#)

Phone link: [9999999999](#)



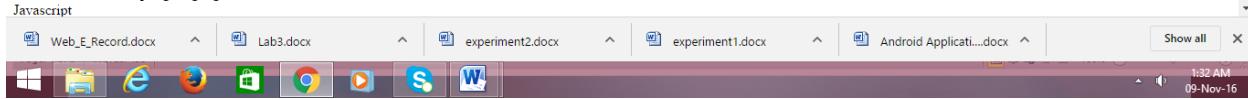
Clickable image:

Sub Heading 2

lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Php Server side scripting language

Javascript



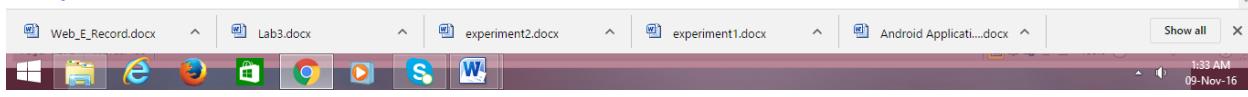
This is fairly complicated mixed list created by CKEditor

- First Item
 - 1. First item of the nested list
 - 2. Second item of the nested list
 - This item is nested even further
 - And this one too
 - A. First item of yet another ordered list
 - B. Second item of yet another ordered list
 - Second item
 - Third item

Sub Heading 3

lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

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Ex No:2	Website using HTML5 [Form Elements + Media Elements]
Date of Exercise	18.7.16

Build a web site that conforms to HTML5 standards and has the following elements: doctype, html, meta (in the revised html5 format), title, body, head, div, p, headings, image, anchor, table ,audio, video, iframe form, input, select, progress, fieldset, label, html comment..

1. Your site consists of two pages. First page is a company profile page. Second page has a form for the job seekers to submit their resume.

Guidelines for designing the First Page :

2. First page has three sections such as header, Content section and footer.
3. Header (or masthead) should be at the top of the page. It contains the company name & company logo and align the text at center using the style “text-align : center”. Below the title include the navigation links and search box as shown in the mockup screen.
4. Content section has two columns. Display the dummy text & include the audio in the First column. Play the audio when the user clicks on the play button. Embed the video in the second column using video tag. The video will automatically start playing as soon as the page loads without stopping.
5. A footer that goes across the bottom of the site and contains secondary information such as location details, contact details and so on. This section has three columns. First column has contact details. Middle one has registration form with 2 text boxes and a submit button. Redirect the user to next page when he clicks on the register button. Embed the google map in the third column using iframe.

Guidelines for designing the Second Page :

6. Second page contains a form to collect the personal and academic details of the person. Place the heading at the top left of the page. It has five field sets as shown in the figure.
7. Design a form with an action value of submit.php and method value of "get". Code the form with auto complete active. This form contains both required and optional fields. Asterisk (*) before each field indicates required fields and other fields are optional.
8. Use appropriate field set and label tags and validate the form fields according to these validation rules:

- Required field should not be empty
- The First Name field you create should have autofocus, placeholder text, and be required.
- The state field should have a data list. You can select the content you would like to list.
- Zip Code is only 6 numbers in the format 999-999
- The Telephone field should have placeholder text, a pattern to restrict entry, and be required. Phone Number is in the format (999) 999-9999
- The mobile number field should have placeholder text, a pattern to restrict entry. Phone Number is either only 10 numbers or in the format (+91) 99999-99999
- The Email address field should have placeholder text. This field should also be required. Mail address in the format xxxxxxxx@karunya.edu.in
- The age field should have a minimum value of 18 and a maximum value of 35.
- Limit the user to choose only doc and pdf file. Prevent them from choosing files of any type or extension.
- Use progress bar in the proper place with suitable value.
 - Use table structure to align the form as shown in the mock up screen

The mock-up screen displays a web application interface. At the top left is a user icon, followed by the text "Company Name". Below the header is a navigation bar with three links: "Link 1", "Link 2", and "Link 3", and a search box. The main content area contains a large text block of placeholder text (Lorem ipsum...) and two horizontal scroll bars. In the bottom left corner is a "Contact us" box containing address details and contact information. In the bottom center is a "Register here" form with fields for "User Name", "password", and a "Register" button. To the right of the register form is a map with a location pin.

Company Name

Link 1 | Link 2 | Link 3 | Search box

Placeholder text (Lorem ipsum...)

Contact us

Address line 1
Address line 2
Address line 3.
mail Id: [aaaa@company.org](#)
phone no: [\(+91\) 99999 99999](#)

Register here

User Name
password
Register

Map with location pin

Submit your Resume

Personal Details

* First Name:

* Middle Name:

* Last Name:

Date of Birth

Age in years

Gender Male female other

20% out of 100%

Address

Address

City/Town

State

Zip Code

40% out of 100%

Contact Information

* Telephone

Mobile

* email

website

60% out of 100%

Education Details

Qualification		Board/University	Country	Starting Year	Ending Year	Percentage
<input checked="" type="checkbox"/>	10th	<input type="text" value="Board/ University"/>	<input type="button" value="choose ▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="button" value="70 ▲▼"/>
<input checked="" type="checkbox"/>	12th	<input type="text" value="Board/ University"/>	<input type="button" value="choose ▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="button" value="70 ▲▼"/>
<input checked="" type="checkbox"/>	B.Tech	<input type="text" value="Board/ University"/>	<input type="button" value="choose ▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="button" value="70 ▲▼"/>
<input type="checkbox"/>	M.Tech	<input type="text" value="Board/ University"/>	<input type="button" value="choose ▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="text" value="4/22/2012"/> <input type="button" value="▼"/>	<input type="button" value="70 ▲▼"/>

80% out of 100%

Attach your resume in the format of .doc or .pdf

completed

Source Code & Screenshot**Page 1:**

```
<!DOCTYPE html>
<html>
<head>
<title>
Google
</title>
<style type="text/css">
hr{
margin-top: 20px;
}
#td{
text-align: center;
border-right: 1px solid black;
width: 25%;
}
</style>
</head>
<body>
<header>
<p style="padding-left: 30em; ">
&nbsp;
<h1 style="display:inline-block;margin-top: -68px;
margin-left: 609px;
position: absolute;" >
Google</h1>
</p>
<table style="width: 100%;border-top: 1px solid black ;border-bottom: 1px solid black; " >
<tr>
<td id="td"><a href ="#sub1">Link1</a></td>
<td id="td"><a href ="#sub2" style="text-decoration: none;color: black ">Link2</a></td>
<td style="text-align: center;width: 25% "><a href ="#sub3">Link3</a></td>
<td style="text-align: center;" > <input type="text" placeholder="Search box"></td>
</tr>
</table>
<table>
<td style="text-align: center; width: 55%; text-align:justify; ">Lorem ipsum dolor sit amet,
consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore
```

magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

<audio controls style="width: 100%">

<source src="[Surf - Excel.mp3](#)" type="audio/mpeg">

Your browser does not support the audio element.

</audio>

</td>

<td style="width:8% "></td>

<td style="width: 40%">

<video style="height: 290px; width: 80%; " controls autoplay>

<source src="[Tanishq Wedding Film \(2013\).mp4](#)" type="video/mp4">

Your browser does not support the video tag.

</video>

</td>

<td></td>

</table>

<hr>

<table style="width: 100%">

<td style="width: 32%; height: 200px ">

<fieldset>

<h2>Contact us</h2>

Address line 1

Address line 2

Address line 3

mail id:floura@gmail.com

Phone no: 9999999999


```
</fieldset>
</td>
<td style="width:2%"></td>
<td style="width: 32%;height: 270px">
<form action="page2lab2.html" method="get" style="width: 32%;"></form>
<fieldset>
<legend><b>&nbsp;Register here</b></legend><br><br>
<input style="height: 30px;width: 100% ;" type="text" placeholder="Username"><br><br>
<input style="height: 30px;width: 100% ;" type="password" placeholder="Password"><br><br><br>
<a href="page2lab2.html"><input style="height: 30px;width: 100% ;" type="submit" value="Register"></a>
</fieldset>
</form>
</td>
<td style="width:2%"></td>
<td>
<iframe
src="
```

Page 2: (resume)

```
<!DOCTYPE html>
<html>
<head>
<title>Submit Resume</title>
</head>
<style type="text/css">
.container {
margin:0 auto; /* this will center the page */
width:75%; /* use your width here */
}
```

```
#test{  
background-color: #000;  
padding: 20px;  
}  
progress::-webkit-progress-bar {  
color: blue;  
}  
#td{  
width: 25%;  
text-align: left;  
}  
#input{  
width: 75%;text-align:center;  
}  
</style>  
<body>  
<div class="container">  
<form style="width:80%">  
<fieldset>  
<h2>Submit your Resume</h2>  
<div style="background-color: lightgrey">  
<fieldset>Personal Details<br><br>  
<table border="0">  
<tr>  
<td id="td">First name:</td>  
<td id="input"><input style="width:80%" type="text" name="firstname" placeholder="First name" required></td>  
</tr>  
<tr>  
<td id="td">Middle name:</td>  
<td id="input"><input style="width:80%" type="text" name="firstname" placeholder="Middle name" required></td>  
</tr>  
<tr>  
<td id="td">Last name:</td>  
<td id="input"><input style="width:80%" type="text" name="firstname" placeholder="Last name" required></td>  
</tr>  
<tr>  
<td id="td">Date of birth:</td>  
<td id="input"><input style="width:80%" type="date" name="date"></td>
```

```
</tr>
<tr>
<td id="td">Age in years</td>
<td id="input"><input style="width:80%" type="text" name="firstname"
placeholder="18" required></td><tr>
<tr>
<td id="td">Gender</td>
<td id="input"><input type="radio" name="firstname">Male &nbsp;&nbsp;&nbsp;<input
type="radio" name="firstname">Female &nbsp;&nbsp;&nbsp;<input type="radio"
name="firstname">Others</td>
</tr></table></fieldset>
</div>
<br>
<progress value="20" max="100"> </progress>&nbsp; &nbsp;20% of 100%<br>
<br>
<br>
<div style="background-color: lightgrey">
<fieldset>
Address<br><br>
<table>
<tr>
<td id="td">Address:</td>
<td id="input"><textarea rows="3" cols="10" style="width:80%;"></textarea></td></tr>
<tr><td id="td">City Town:</td><td id="input"><input style="width:80%; " type="text"
name="ph" ></td></tr>
<tr><td id="td">State:</td><td id="input"><select style="width: 80%">
<option>Choose a state</option>
<option>Maharashtra</option>
<option>Tamil Nadu</option></select></td></tr>
<tr><td id="td">Zip code:</td><td id="input"><input style="width:80%" type="text"
name="quantity" placeholder="only 5 numbers" min="0" maxlength="5"
></td></tr></table></fieldset>
</div>
<br>
<progress value="40" max="100"> </progress>&nbsp; &nbsp;40% of 100%<br>
<br>
<br>
<div style="background-color: lightgrey">
<fieldset>Contact Information<br><br>
<table><tr><td id="td">Phone Number:</td>
<td id="input"><input style="width:80%;" type="text" name="quantity" placeholder="(0-
```

```
44)999-9999" min="0" required size=10 required="true"></td></tr>
<tr><td id="td">Mobile:</td>
<td id="input"><input style="width:80%;" type="text" name="quantity"
placeholder="(+91)99999-99999" min="0" required size=10 ></td></tr>
<tr><td id="td">Phone Number:</td>
<td id="input"><input style="width:80%;" type="text" name="quantity"
placeholder="xxxxxxxx@karunya.edu.in" ></td></tr>
<tr><td id="td">Website:</td>
<td id="input"><input style="width:80%;" type="number" name="quantity"
placeholder="Valid Url"></td></tr>
</table></fieldset>
</div>
<br>
<progress value="60" max="100"> &nbsp; &nbsp;60% of 100%<br>
<br>
<br>
<div style="background-color: lightgrey">
<fieldset>Education Details
<table style="border-collapse:collapse" border="1">
<tr>
<th>Qualification</th>
<th> </th>
<th>Board/University</th>
<th>Country</th>
<th>Starting Year</th>
<th>Ending Year</th>
<th>Percentage</th>
</tr>
<tr>
<td><input type="checkbox" name="10" value="true" checked="true"></td>
<td>10th</td>
<td> <input type="text" name="ph" placeholder="Board/University"></td>
<td><select>
<option value="volvo">choose</option>
<option value="saab">India</option>
<option value="mercedes">United States Of America</option>
<option value="">Egypt</option>
</select>
</td>
<td><input type="date" name="date"></td>
<td><input type="date" name="date"></td>
```

```
<td> <input type="number" min="0">
</tr>
<tr>
<td><input type="checkbox" name="10" checked="true" ></td>
<td>12th</td>
<td> <input type="text" name="ph" placeholder="Board/University"></td>
<td><select>
<option value="volvo">choose</option>
<option value="saab">India</option>
<option value="mercedes">United States Of America</option>
<option value="">Egypt</option>
</select>
</td>
<td><input type="date" name="date"></td>
<td><input type="date" name="date"></td>
<td> <input type="number" min="0">
</tr>
<tr>
<td><input type="checkbox" name="10" checked="true"></td>
<td>btech</td>
<td> <input type="text" name="ph" placeholder="Board/University"></td>
<td><select>
<option value="volvo">choose</option>
<option value="saab">India</option>
<option value="mercedes">United States Of America</option>
<option value="">Egypt</option>
</select>
</td>
<td><input type="date" name="date"></td>
<td><input type="date" name="date"></td>
<td> <input type="number" min="0">
</tr>
<tr>
<td><input type="checkbox" name="10" ></td>
<td>mtech</td>
<td> <input type="text" name="ph" placeholder="Board/University"></td>
<td><select>
<option value="volvo">choose</option>
<option value="saab">India</option>
<option value="mercedes">United States Of America</option>
```

```
<option value="ept">Egypt</option>
</select>
</td>
<td><input type="date" name="date"></td>
<td><input type="date" name="date"></td>
<td> <input type="number" min="0">
</tr>
</table>
</fieldset>
</div>
<br>
<progress value="80" max="100"> 80% of 100%
<br>
<br>
<div style="background-color: lightgrey">
<fieldset>
    Attach Your Resume In The Format Of .doc or .pdf &nbsp;<input type="File" name="Choose File" accept=".doc,.pdf">
</fieldset>
</div>
<br>
<progress value="100" max="100"> completed
<br><br>
<div style="text-align: center; width: 100%"><input type="submit" value="Submit Your Resume">&nbsp;&nbsp;<input type="Reset" value="Reset">
</div>
</form>
</body>
</html>
```

SCREENSHOTS:

Screenshot 1: A screenshot of a web browser window showing a Google search results page. The search query is "Course: Web Technology". The results include a link to "index.pdf" which is displayed in the main content area. The content of the PDF is visible, containing placeholder text (Lorem ipsum) and a video player showing a woman in traditional Indian attire.

Screenshot 2: A screenshot of a Windows desktop environment. It shows a taskbar with several open documents (Word, Excel, etc.) and browser tabs. A map of "Courtyard Houston NASA/Clear Lake" is open in a browser window. The desktop background features a blue and white abstract design.

Screenshot 3: Another screenshot of a web browser window showing the same Google search results as Screenshot 1. The content of the PDF is visible, and a video player shows a woman in traditional Indian attire. The desktop environment is identical to Screenshot 2.

Screenshot 4: A screenshot of a Windows desktop environment. It shows a taskbar with several open documents (Word, Excel, etc.) and browser tabs. A map of "Courtyard Houston NASA/Clear Lake" is open in a browser window. The desktop background features a blue and white abstract design.

Ex No:3	Design a single page website using HTML5 and CSS3
Date of Exercise	25.7.16

Create a webpage using proper HTML5 and CSS3. Page should have header, section and footer.

1. In header

- a. Add website title. Align the text at center of the page. Set the font size: 48px and add text shadow effect.
- b. Make a simple rollover effect horizontal navigation bar using list of links. Removes the bullets of the link and remove the default text declaration from the links. Displaying the links as block elements and specify the width (and padding, margin, height, etc. if you want) and set background color. This navigation bar should stretch the full width of the screen. The navigation elements themselves should still be centered over the content area.

2. In section

- a. Add a **banner image** under the navigation bar. Display the text over an image and extremely at the bottom right corner of the banner image.
- b. Add three **thumbnails** below the banner, each of the 3 sections should take up equal amount of space on the screen. As you make the browser window wider or narrower, each section should become wider or narrower. (Hint: use percentages to define width and use the ‘float’ property. Note the spacing between the images. Note the horizontal spacing between the edges of the images and edges of the browser window. Each thumbnail has a caption box that is positioned at the bottom. Set the background color to the boxes and the background color still allows the user to view the images and also display the clickable menu items.)
- c. Add two **sections** below the thumbnails and each section should have a section title region that is always positioned at the top. Note the spacing between sections (both horizontal and vertical). Note the horizontal spacing between the edges of the section and the edges of the browser window. Also, note the spacing between the dummy text in each section and the edges of the section. (Hint: use margins and padding and use border-box as your box-sizing)
- d. **Borders and Colors:** Each section should have a background color set to some color (of your Choice). Set the background color of each section title region to some unique color. Depending on the color you choose, you may want to change

the color of the text so it can be easy to read. Set a black border on both the section and section title region that is 1px thick.

3. **In footer** display the contact details. Set the suitable background color and text color. Set font style: italic and align the text at center.
4. Your page must include a CSS file. No inline styles allowed. Your CSS file should be placed into a “css” folder under the project folder,e.g Ex3/css.

Here is the mockup illustration of the site. Your final result should look very close to this mockup.



Source Code & Screenshot

```
<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

    <head>

        <title>Exp 3</title>

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

    </head>

    <body>

        <div class="header1">

            My First Website

        </div>

        <div class="navbar">

            <ol>

                <li><a href="#index.html">Home</a></li>

                <li><a href="#">About Us</a></li>

                <li><a href="#">Memu Item 1</a></li>

                <li><a href="#">Memu Item 2</a></li>

                <li><a href="#">Memu Item 3</a></li>

            </ol>

        </div>

    </body>

</html>
```

```
</ol>

</div>

<div>

    <p class="content"> Welcome to the Web Technology Group</p>

</div>

<div class="middle">

    <div class="img1">

        <p class="overimg">About us</p>

    </div>

    <div class="img1">

        <p class="overimg">Memu Item 1</p>

    </div>

    <div class="img1 img2">

        <p class="overimg">Memu Item 2</p>

    </div>

</div>

<div class="middle">

    <div class="box">

        <p class="subhead">

            Sub Heading 1

        </p>

    </div>


```

```
<p class="subdata">
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

 magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

 consequat. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

 magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

 consequat. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

 magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

 consequat.

```
</p>
```

```
</div>
```

```
<div class="box box1">
```

```
<p class="subhead">
```

 Sub Heading 1

```
</p>
```

```
<p class="subdata">
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

 magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

 consequat. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

 magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

consequat. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

consequat.

</p>

</div>

</div>

<div class="foot">

<pre>

<ins>Address</ins>

Door No, Street No,

City, State - Pincode

</pre>

</div>

</body>

</html>

CSS:

*{

margin: 0px;

padding: 0px;

}

.header1{

background: green;

```
color: white;  
text-align: center;  
font-size: 48px;  
text-shadow: red 3px 3px;  
padding-top: 10px;  
height: 100px;  
width: 100%;  
  
}
```

```
.navbar ol li{  
display: inline-block;  
background-color: yellow;  
border: 1px solid black;  
float: left;  
height: 25px;  
text-align: center;  
width: 19.85%;  
border-style: solid;  
border-width: 1px;  
  
}  
  
a{  
text-decoration: none;  
  
}  
  
.navbar ol li:hover{
```

```
background-color: lightblue;  
}
```

```
.content{  
z-index: 100;  
position: absolute;  
color: white;  
font-size: 24px;  
font-weight: bold;  
left: 880px;  
top: 475px;  
}
```

```
.middle{  
margin-top: 30px;  
margin-bottom: 30px;  
border-style:none;  
border-width: none;  
}
```

```
.img1{  
float: left;  
position: relative;  
margin-right: 133px;  
border-style:none;
```

```
border-width: none;  
  
}
```

```
.img2{  
float: right;  
margin-right: 0px;  
border-style:none;  
border-width: none;  
}
```

```
.overimg{  
position: absolute;  
height: 50px;  
top: 260px;  
opacity: .5;  
background-color: black;  
color: white;  
text-align: center;  
padding-top: 10px;  
font-size: 30px;  
width: 100%;  
}
```

```
.box{
```

```
margin-top: 50px;  
height: 360px;  
width: 49%;  
background-color: green;  
float: left;  
}
```

```
.subhead{  
height: 80px;  
width: 100%;  
text-align: center;  
font-size: 30px;  
background-color: black;  
opacity: .7;  
color: white;  
padding-top: 35px;  
}
```

```
.subdata{  
font-size: 20px;  
font-weight: 400;  
color:white;  
padding: 10px;  
}
```

```
.box1{  
    float: right;  
}  
  
{
```

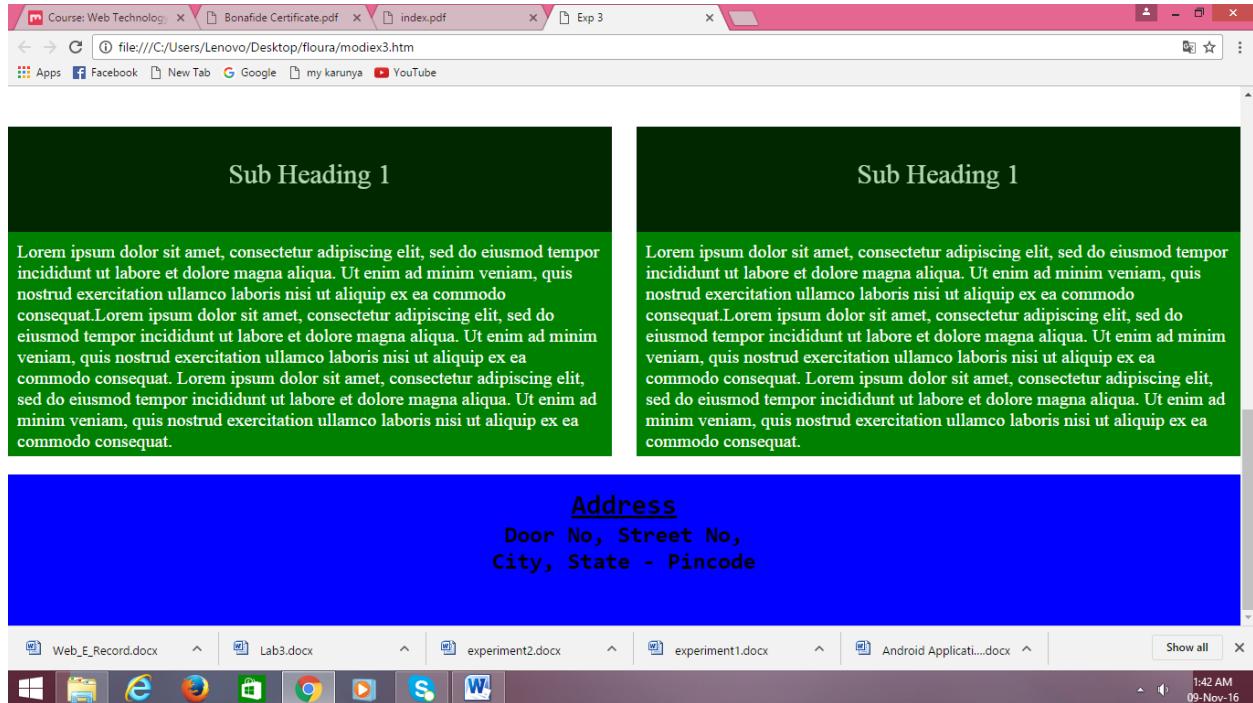
```
.foot{  
    height: 150px;  
    position: relative;  
    width: 100%;  
    background-color: blue;  
    margin-top: 20px;  
    float: left;  
    padding-top: 15px;  
    padding-bottom: 0px;  
    text-align: center;  
}
```

```
.foot pre{  
    font-size: 25px;  
    font-weight: 700;  
}  
  
{
```

```
.foot pre ins{  
    font-size: 30px;  
}  
  
{
```

SCREENSHOTS:





Ex No:4	Website using CSS3 - Advanced
Date of Exercise	1.8.16

Create a webpage using proper HTML5 and CSS3.

1. Set fixed background image for the whole webpage.

2. **navigation bar**

- a. Make a fixed _rollover effect horizontal navigation bar using list of links. Removes the bullets of the link and remove the default text declaration from the links. Display the links as block elements and specify width and background color. This navigation bar should stretch the full width of the screen. The navigation elements themselves should still be centered over the content area.

Apply the following Text properties:

Font-family : Helvetica

Font-weight:bold

Text -color : #ffffff; on mouse over(color: rgba(255,255,255,0.5))

Background color: rgba(255,255,255,0.5) on hover (#dff0d8;) – should be transparent

3. **banner**

- a. Add a **banner image**, and navigation bar should be placed over it. Display three divisions over the image and position them using position and offset properties. Design the banner as per the mock-up and use suitable colours.

Set gradient background to the divisions using linear gradient that starts from the left/right. It starts fully transparent, transitioning to full color blue(any color).

For eg: **background**: linear-gradient(to right, rgba(0,0,255,0), rgba(0,0,255,1));

4. After the banner add two sections. Each section should have a section title region that is always positioned at the top.

5. 1st section - **My Family Members**

Divide into three columns, each column should take up equal amount of space on the screen. As you make the browser window wider or narrower, each section should become wider or narrower. Each column has one image, caption and description.

Rounded corner Image with hover effect:

Have a division over the image and when user moves the mouse pointer over it (use **:hover** pseudo class) change the opacity of the division to 0. Thus the image placed behind that division will be made visible.

Give box shadow effect to the division and image; box-shadow: *h-shadow v-shadow blur color* eg: **box-shadow**: 10px 10px 5px #888888;

Give rounded corners to the div and the image, by using the border-radius property.

Eg: **border-radius:** 50%;

6. 2nd section - My Favorites

Display the item in table format. Add set the following styles.

Select the adjacent sibling and apply style

Table has 2 columns. Display item names in the 1st column and the corresponding images in the next column. Initially set hide all the images and on hover of the item name make the image visible by changing the opacity into 1.

Sample code for reference

```
<table><tr><td class="itemName">item1</td>
<td class="itemImg"></td></tr> </table>
.itemImg{    opacity :0.2;  }
.itemName:hover + .itemImg{    opacity: 1; }
```

Hint: itemName and itemImg are adjacent sibling. On hover of itemName select its adjacent sibling itemImg.

Set different colors for odd and even rows and change the background color on mouse over. [hint: **nth-child(odd)** and **nth-child(even)**]. Give rounded corners to the table [use the border-radius property.]

7. Your page must include a CSS file. No inline styles allowed. Your CSS file should be placed into a “css” folder under the project folder,e.g Ex4/css.

Here is the mockup illustration of the site. Your final result should look very close to this mockup.



Source Code & Screenshot

```
<!DOCTYPE html>

<html>

<head>

    <title>Lab 4</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" type="text/css" href="css4.css">

</head>

<body><div style="background-repeat: no-repeat;">

    <div id="1st" >

        <ul>

            <li>Home</li>

            <li>Profile</li>

            <li>Menu Item 3</li>

            <li>Menu Item 4</li>

            <li>Contact us</li>

        </ul>

    <div style="width: 100%;height: 250px ">

        <div style="float: right;background: linear-gradient(to right, rgba(0,0,255,0), rgba(0,0,255,1));border-left: 2px dashed; width: 50%">

            <center> <br>

            <span style="color: white;font-weight: 700; margin-left: 0px; margin-right: 130px;">HTML 5 Skills</span>

        </div>

    </div>

</div>
```

```
<span style="color: white;font-weight: 700;margin-left: 50px">CSS3 Skills</span></center>

</div>

</div>

<div style="height: 200px;width: 49.9%;background: linear-gradient(to right, rgba(0,0,255,0), rgba(0,0,255,1));border-right: 2px dashed">

    <h4 style="font-weight: 700;margin-left: 20px;font-size: 40px">Profile of</h4><br>

    <h1 style="font-weight: 700;margin-left: 20px;font-size: 60px">Miss. Floura Angel</h1>

    </div>

<div style="height: 100px;width: 50%;margin-left: 50%;background: linear-gradient(to right, rgba(0,0,255,0), rgba(0,0,255,1));">

    <div style="font-size: 40px;font-weight: 700;text-align: center;color: greenyellow;padding-top: 30px">FULL STACK DEVELOPER</div>

    </div>

</div>

<div style="height: 600px">

    <div style="background-color: black;color: white;font-weight: 700;height: 50px;padding-top: 30px;padding-left: 10px;">MY FAMILY MEMBERS</div>

    <div style="position:relative;">

        <div style="border-radius: 50%;height: 200px;width: 200px;border: 5px solid black;background-color: green;position: absolute;top: 50px;left:50px;" class="div1" ></div>

        <div style="width: 250px;position: absolute;top:280px;left: 60px;color: black"><h1>DADDY</h1><br> Display item names in the 1st column and the corresponding images in the next column. Initially set hide all the images and on hover of the item name make the image visible by changing the opacity into 1.</div>
    
```

```


<div style="border-radius: 50%;height: 200px;width: 200px;border: 5px solid black;background-color: green;position: absolute;top: 50px;left:40%;" class="div1" ></div>

<div style="width: 250px;position: absolute;top:280px;left: 40%;color: black"><h1>MUMMY</h1><br> Display item names in the 1st column and the corresponding images in the next column. Initially set hide all the images and on hover of the item name make the image visible by changing the opacity into 1.</div>
```

```


<div style="border-radius: 50%;height: 200px;width: 200px;border: 5px solid black;background-color: green;position: absolute;top: 50px;left:80%;" class="div1" ></div>

<div style="width: 250px;position: absolute;top:280px;left: 80%;color: black"><h1>SIBLINGS</h1><br> Display item names in the 1st column and the corresponding images in the next column. Initially set hide all the images and on hover of the item name make the image visible by changing the opacity into 1.</div>
```

```
</div>
```

```
</div>
```

```
<div class="div2">My Favorites .....</div>
```

```
<div>&nbsp;</div>
```

```
<div>&nbsp;</div>
```

```
<div style="position: relative;">
```

```
<table class="table">
```

```
<tr>
```

```
<td class="tdtl" colspan="2">My Favorite Food !!!! </td></tr>
```

```
<tr>

    <td class="itemname">Chocolate Ice Cream </td>

    <td class="itemimg"></td></tr>

<tr>

    <td class="itemname">Coffee </td>

    <td class="itemimg"></td></tr>

<tr>

    <td class="itemname">Blueberry Muffins</td>

    <td class="itemimg"></td></tr>

<tr>

    <td class="itemname">Donuts</td>

    <td class="itemimg"></td></tr>

<tr>

    <td class="tdbl itemname">Pancakes</td>

    <td class="tdbr itemimg"></td></tr>

</table>

</div>

</body>

</html>
```

CSS:

```
/*
```

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates
and open the template in the editor.

```
*{  
margin: 0px;  
padding: 0px;  
}  
  
body{  
background-image: url("blue.jpg");  
background-repeat: repeat-x;  
background-attachment: fixed;  
}  
  
ul{  
height: 100px;  
background-color: transparent;  
color: #4db8ff;  
}  
  
ul li{  
font-weight: bold;  
text-decoration: none;  
display: inline-block;  
text-align: center;  
width: 19.75%;  
padding-top: 40px;
```

```
padding-bottom: 40px;  
}  
  
li:hover{  
background-color: #dff0d8;;  
color: black;  
}  
  
.div1{  
opacity: 0.7;  
}  
  
.div1:hover{  
opacity: 0;  
}  
  
table{  
margin: 0px;  
padding: 0px;  
border: 5px solid black;  
background-color: green;  
border-radius: 5%;  
}  
  
tr,td{  
text-align: center;  
color: white;  
font-weight: 700;  
font-size: 40px;  
}
```

```
.itemimg{  
    opacity: 0.2;  
}  
  
.itemname:hover{  
    color: black;  
}  
  
.itemname:hover+.itemimg{  
    opacity: 1;  
}
```

```
.div2{  
    width: 100%;  
    background-color: rgba(153, 51, 255, 0.5);  
  
    font-size: 52px;  
  
    color: crimson;  
  
}  
  
.div3{  
    font-size: 42px;  
  
    color: blueviolet;  
  
}
```

```
.box{  
    height: 400px;  
    width: 32%;
```

```
float: left;  
  
text-align: center;  
}  
  
.table{  
  
margin-left: 225px;  
  
width: 70%;  
  
background-color: rgba(255, 170, 0,0.7);  
  
font-family: cursive;  
  
font-size: 52px;  
  
border: 3px solid black;  
  
border-radius: 25px 25px 25px 25px;  
}  
  
tr{  
  
padding: 10px;  
  
text-align: center;  
  
border: 3px black;  
}  
  
td{  
  
padding: 10px;  
  
text-align: center;  
  
font-size: 32px;  
  
border: 3px black;  
}  
  
tr:nth-child(odd){  
  
background-color: #4db8ff;
```

```
}

tr:nth-child(even){

    background-color: #990099;

}

.tdtl{

    border-radius: 25px 25px 0px 0px;;

}

.tdbl{

    border-radius: 0px 0px 0px 25px;

}

.tdbr{

    border-radius: 0px 0px 25px 0px;

}

.itemimg{

    opacity: 0.2;

}

.itemname:hover{

    color: black;

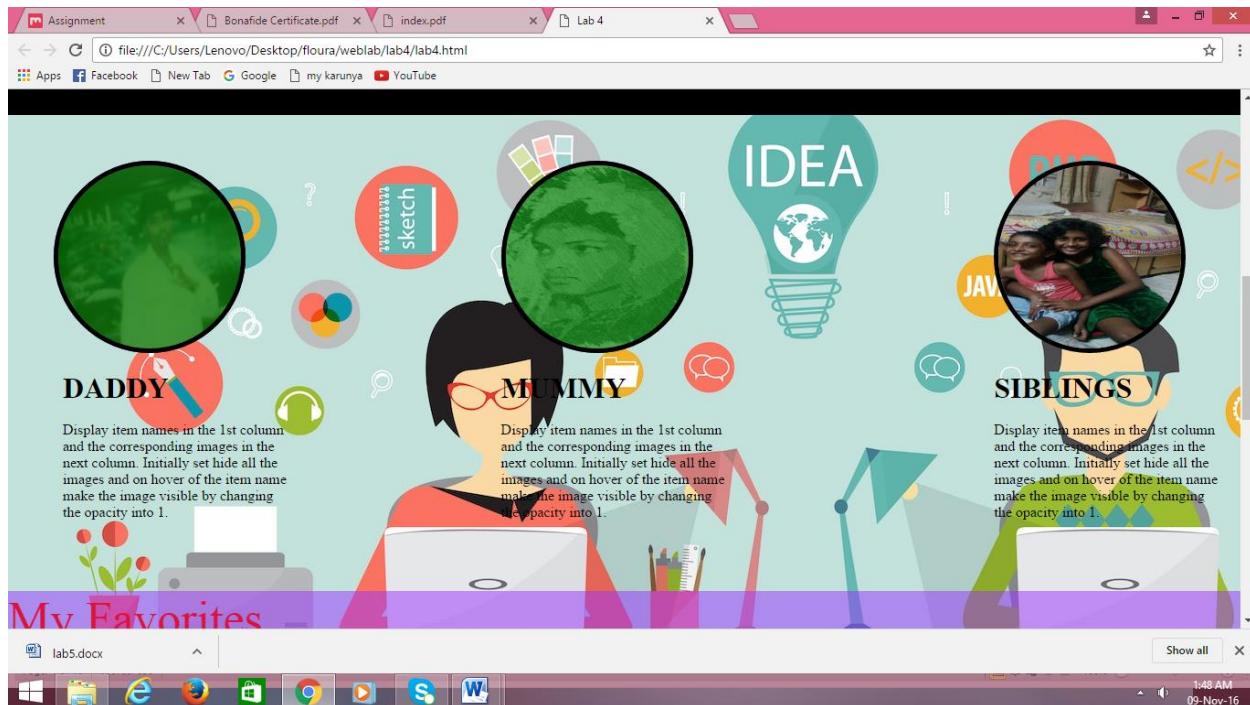
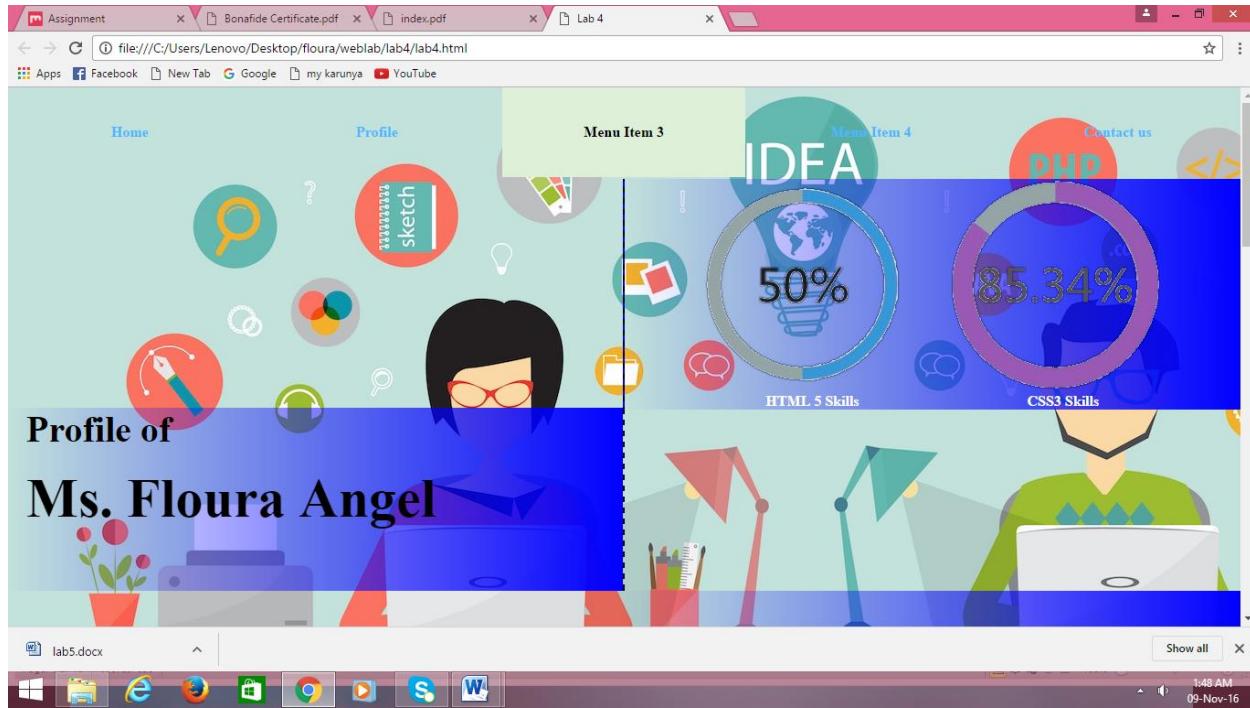
}

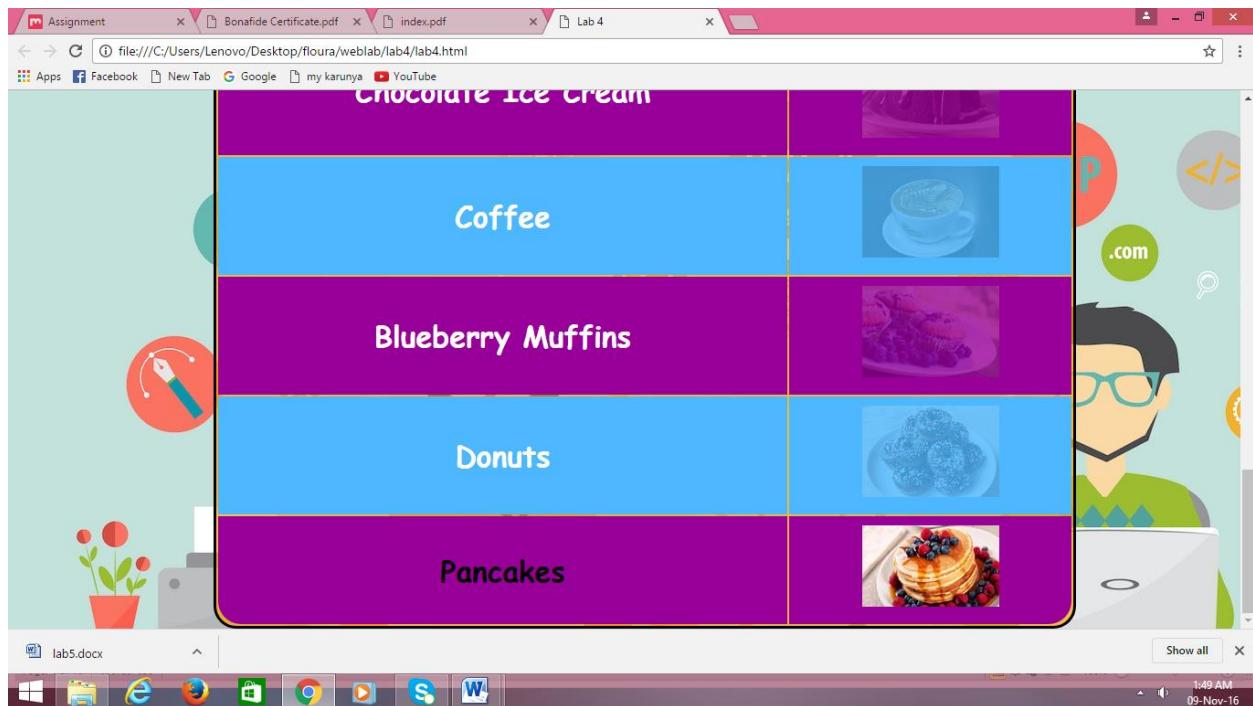
.itemname:hover+.itemimg{

    opacity: 1;

}
```

SCREENSHOTS:





Ex No:5	JavaScript – DOM Elements and Events
Date of Exercise	22.8.16

1. Write a function that accepts a string as a parameter and find the **longest word** within the string.

Example string : 'Web Development Tutorial'

Expected Output : 'Development'

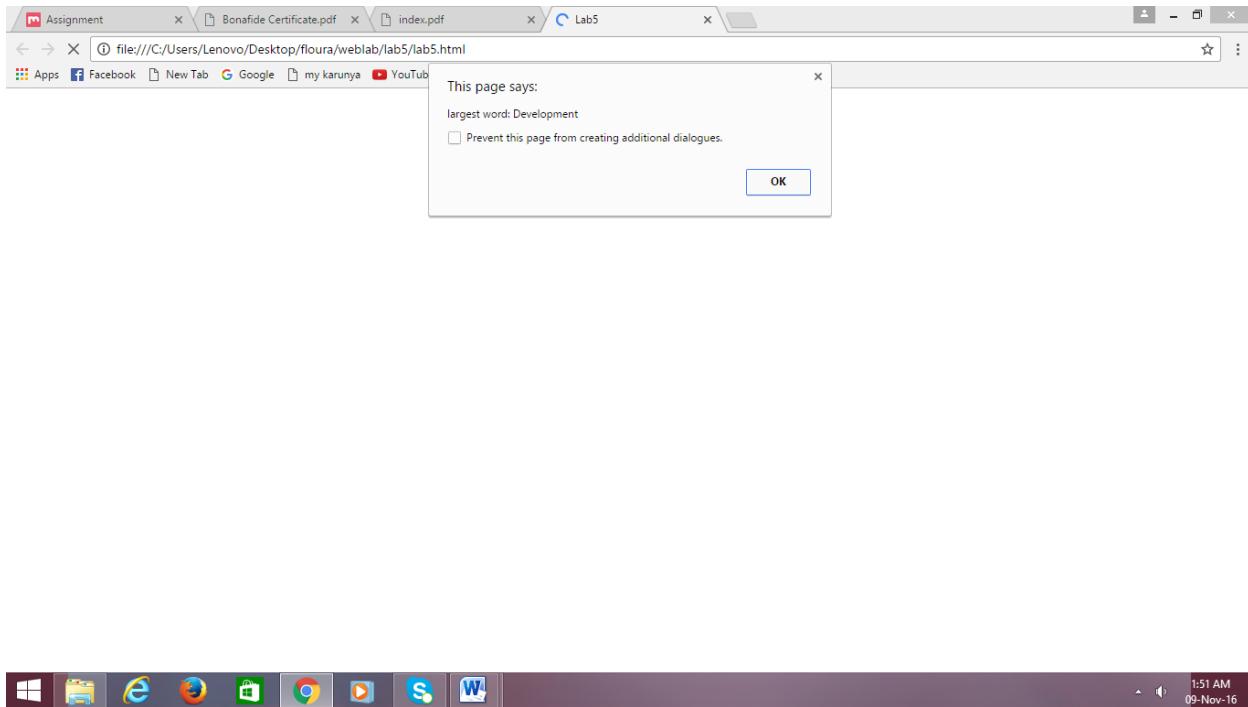
Hint: Split a string into an array - **split()**

Find the length of a string – stringname.**length**

Find the size of an array – arrayname.**length**

Source Code & Screenshot

```
<!DOCTYPE html>
<html>
<head>
<title>Lab5</title>
</head>
<body>
<script type="text/javascript">
var input = prompt("Enter your string: ");
var arr = input.split(" ");
var long = arr[0];
for(var i=1;i<arr.length;i++){
if(arr[i].length>long.length){
long = arr[i];
}
}
alert("largest word: "+long);
document.write("largest word: "+long);
</script>
</body>
</html>
```



2. **BMI Calculator:** The following HTML snippet shows the skeleton of a BMI calculator. Write the calculate() function that takes the weight and height in the text boxes and displays the BMI in the span with the id of “score.” BMI is calculated from the equation: weight / (height * height). You should also describe the person’s body type based on their BMI score using the following criteria:

- Underweight: < 18
- Normal: 18 – 25
- Overweight: 25 – 30
- Obese: > 30

The person’s body type should be displayed in the span with the id of “type” and you may assume valid input into the text boxes.

```
<h1>Calculate your Body Mass Index (BMI)!</h1>
<fieldset>
  Weight (in kilograms): <input type="text" id="weight" /><br />
  Height (in meters): <input type="text" id="height" /><br />
  <button onclick="calculate();">Get BMI!</button>
</fieldset>
<p>
  Your BMI is <span id="score"></span>. <br />
  Your body type is <span id="type"></span>.
</p>
```

Source Code & Screenshot

```
<!DOCTYPE html>
<html>
<head>
<title>Lab5b</title>
</head>
<body>
<h1>Calculate your Body Mass Index (BMI)!</h1>
<fieldset>
Weight (in kilograms): <input type="text" id="weight" /><br />
Height (in meters): <input type="text" id="height" /><br />
<button onclick="calculate();">Get BMI!</button>
</fieldset>
<p>
Your BMI is <span id="score"></span>. <br />
Your body type is <span id="type"></span>.
</p>
<script type="text/javascript">
function calculate(){
var typ;
var weight = parseFloat(document.getElementById("weight").value);
var height = parseFloat(document.getElementById("height").value);
var bmi = (weight) / (height * height);
if(bmi<18){
typ = "Underweight";
}
else if(bmi>=18 && bmi<25){
typ ="Normal";
}
else if(bmi>=25 && bmi<30){
typ ="Overweight";
}
else{
typ = "Obese";
}
```

```
}
```

```
document.getElementById("score").innerHTML = bmi;
```

```
document.getElementById("type").innerHTML = typ;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```



Calculate your Body Mass Index (BMI)!

Weight (in kilograms):

Height (in meters):

Your BMI is 21.874999999999996.
Your body type is Normal.



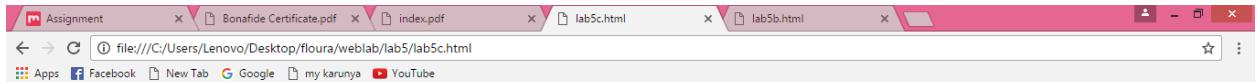
3. **Flower Garden:** The following HTML snippet is from a webpage that allows users to design rectangular flower beds. When you click the “Plant Garden” button, the page should generate a rectangular grid of flower images in the div with the id of “garden.” The dimensions of grid are given by the values entered in the text boxes. Write the **grow() JavaScript function to complete the functionality for the webpage. You should** randomly display either “rose.jpg” or “daffodil.jpg” for each flower image, and either flower should show up with equal probability.

```
<h1>Flower Garden</h1>
<div>
  Rows: <input type="text" id ="rows" />
  Columns: <input type="text" id ="columns" /> <br />
  <button onclick="grow();">Plant Garden</button>
</div>
<div id="garden"></div>
```

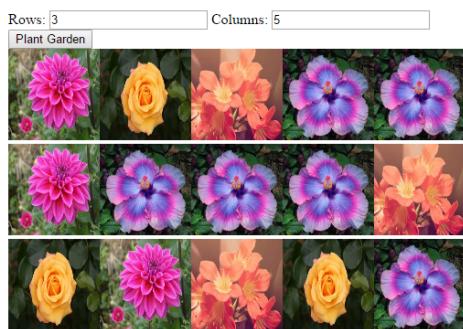
Source Code & Screenshot

```
<!DOCTYPE html>
<html>
<head>
<title></title>
<script>
function grow(){
  // += for appending the text
  // create an array of strings
  var arr = ["flower1.jpg","rose.jpg","flower.jpg","flower2.jpg"];
  //generate random number in the range of 0 to 10
  var number = Math.floor((Math.random()*4) +0);
  var row = parseInt(document.getElementById("rows").value);
  var col = parseInt(document.getElementById("columns").value);
  for(var i=0;i< row;i++){
    for(var j=0;j<col;j++){
      var number = Math.floor((Math.random()*4) +0);
      document.getElementById("garden").innerHTML += "<img src= "+arr[number]+" width
      =100px height= 100px>";
    }
  }
}
```

```
document.getElementById("garden").innerHTML += "<br>"  
}  
}  
</script>  
</head>  
<body>  
<h1>Flower Garden</h1>  
<div>  
Rows: <input type="text" id ="rows" />  
Columns: <input type="text" id ="columns" /> <br />  
<button onclick="grow();">Plant Garden</button>  
</div>  
<div id="garden"></div>  
</body>  
</html>
```



Flower Garden



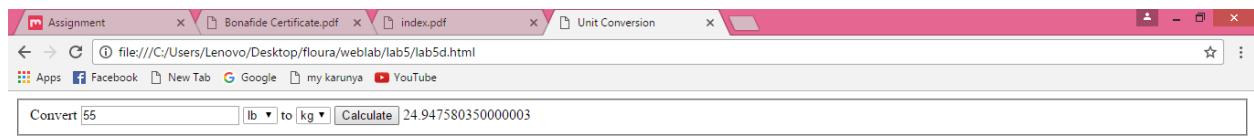
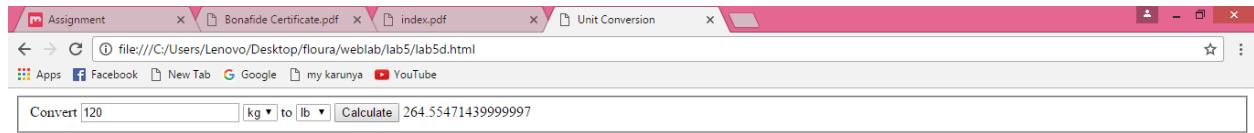
4. **The Weight-inator:** The following HTML snippet shows the skeleton of a pounds-to-kilograms, kilograms-to-pounds conversion tool. Write the convert() function that takes the value in the text input and converts it from the unit selected in the left dropdown box to the unit selected on the right. The unit should be displayed in the empty span with the id of “answer.” The conversion factor from pounds to kilograms is 0.45359237, and the conversion factor from kilograms to pounds is 2.20462262. You should edit the HTML to add ids to the elements as necessary and you may assume valid input.

```
<fieldset>
    Convert <input type="text" id="data" />
    <select id="from">
        <option>kg</option>
        <option>lb</option>
    </select>
    to
    <select id = "to">
        <option>lb</option>
        <option>kg</option>
    </select>
    <button onclick="convert();">Calculate</button>
    <span id="answer"></span>
</fieldset>
```

[Source Code & Screenshot](#)

```
<html>
<head>
<title>
    Unit Conversion
</title>
<script>
function convert(){
    var textin = parseInt(document.getElementById("data").value);
    var index = document.getElementById("from").selectedIndex; // return index
    var value = document.getElementById("from")[index].value; // return value
    var index2 = document.getElementById("to").selectedIndex; // return index
    var value2 = document.getElementById("to")[index2].value; // return value
    var lb;
```

```
if(value == "kg" && value2 == "lb"){
lb = textin*2.20462262;
}
else if(value == "lb" && value2 == "kg"){
lb = textin*0.45359237;
}
else{
lb = textin;
}
// var printContents = document.getElementById("answer").innerHTML;
// var originalContents = document.body.innerHTML;
// document.body.innerHTML = printContents;
// window.print();
// document.body.innerHTML = originalContents;
document.getElementById("answer").innerHTML += lb;
}
</script>
</head>
<body>
<fieldset>
Convert <input type="text" id="data" />
<select id="from">
<option>kg</option>
<option>lb</option>
</select>
to
<select id ="to">
<option>lb</option>
<option>kg</option>
</select>
<button onclick="convert();">Calculate</button>
<span id="answer"></span>
</fieldset>
</body>
</html>
```



5. **Coin Flip:** Write JavaScript code to randomly change the src of the img in the HTML snippet to "heads.jpg" or "tails.jpg" when the "Flip!" button is pressed. The image should change to the heads or tails picture with equal probability. Keep track of how many flips have resulted in heads and tails and report the results beneath the button in two spans with ids "num_heads" and "num_tails" respectively. You should write JavaScript code to attach the event handler to the button and you may assume the user enters valid input.

```
<h1>Heads or Tails?</h1>
<div>
   <br />
  <button id="flip">Flip!</button>
</div>
<p>
  Heads Total: <span id="num_heads">0</span><br />
  Tails Total: <span id="num_tails">0</span>
</p>
```

[Source Code & Screenshot](#)

```
<html>

<head>

<title>
Coin Flip
</title>

<script>

document.getElementById("flip").addEventListener("click", flipFunction);

function flipFunction() {

var num_heads;

var num_tails;

num_heads = parseInt(document.getElementById("num_heads").value);
```

```
num_tails = parseInt(document.getElementById("num_tails").value);

var r = Math.floor((Math.random() * 1) + 0);

if (Math.random()>.5) {

document.getElementById("coin").src ="head.jpg";

num_heads = num_heads+1;

}

else {

document.getElementById("coin").src ="tail.jpg";

num_tails = num_tails+1;

}

document.getElementById("num_heads").value = num_heads;

document.getElementById("num_tails").value = num_tails;

}

// attach the event handler to the button

</script>

</head>

<body>

<h1>Heads or Tails?</h1>

<div>

<br />

<button id="flip" onclick="flipFunction()">Flip!</button>

</div>
```

```
<p>
```

```
Heads Total: <input type="text" name="heads" id="num_heads" value="0"><br><br>
```

```
Tails Total: <input type="text" name="tails" id="num_tails" value="0"><br>
```

```
</p>
```

```
</body>
```

```
</html>
```



Heads or Tails?



Flip!

Heads Total:

Tails Total:



6. **Pizza Order Form:** The following HTML snippet represents a skeleton of a price calculator for a pizza order form. A small pizza is Rs.100, a medium pizza is Rs.200 and a large pizza is Rs.400. Tax is an additional 9% to the order. The user must also pay a tip from 10-20% of the total cost of the order after tax. Write the JavaScript code necessary to calculate and display the total cost of the order in the span with the id of “price” when the user clicks the “Calculate Order” button. You should write unobtrusive JavaScript code to attach the event handler to the button and you may assume the user enters valid input.

```
<h1>Pizza Order Form</h1>
<fieldset>
# of Small Pizzas <input type="text" id="small" /><br />
# of Medium Pizzas <input type="text" id="medium" /><br />
# of Large Pizzas <input type="text" id="large" /><br />
Tip:
<label><input type="radio" value="10" name="tip" /> 10%</label>
<label><input type="radio" value="15" name="tip" checked="checked" /> 15%
</label>
<label><input type="radio" value="20" name="tip" /> 20%</label> <br />
<button id="submit">Calculate Order</button>
</fieldset>
<p>
Cost of order: <span id="price"></span>
<p>
```

[Source Code & Screenshot](#)

```
<html>
<head>
<title>
Pizza Order Form
</title>
<script>
function Calculate(){
var s = parseInt(document.getElementById("small").value);
var m = parseInt(document.getElementById("medium").value);
var l = parseInt(document.getElementById("large").value);
var total = ((s*100)+(m*200)+(l*300));
total = total + ((total*9)/100);
}
```

```
var tip =document.querySelector('input[name="tip"]:checked').value;
total = total + ((total*tip)/100);
document.getElementById("price").textContent= total;
}
</script>
</head>
<body>
<h1>Pizza Order Form</h1>
<fieldset>
No of Small Pizzas <input type="text" id="small" /><br />
No of Medium Pizzas <input type="text" id="medium" /><br />
No of Large Pizzas <input type="text" id="large" /><br />
Tip:
<label><input type="radio" value="10" name="tip" /> 10%</label>
<label><input type="radio" value="15" name="tip" checked="checked" /> 15%
</label>
<label><input type="radio" value="20" name="tip" /> 20%</label> <br />
<button id="submit" onclick="Calculate()">Calculate Order</button>
</fieldset>
<p>
Cost of order: <span id="price"></span>
<p>
</body>
</html>
```

Pizza Order Form

No of Small Pizzas: 1
No of Medium Pizzas: 2
No of Large Pizzas: 2

Tip: 10% 15% 20%

Cost of order: 1378.85

Ex No:6	JavaScript – Timer Functions and Objects
Date of Exercise	19.9.16

1. Write JavaScript code to display digital clock.

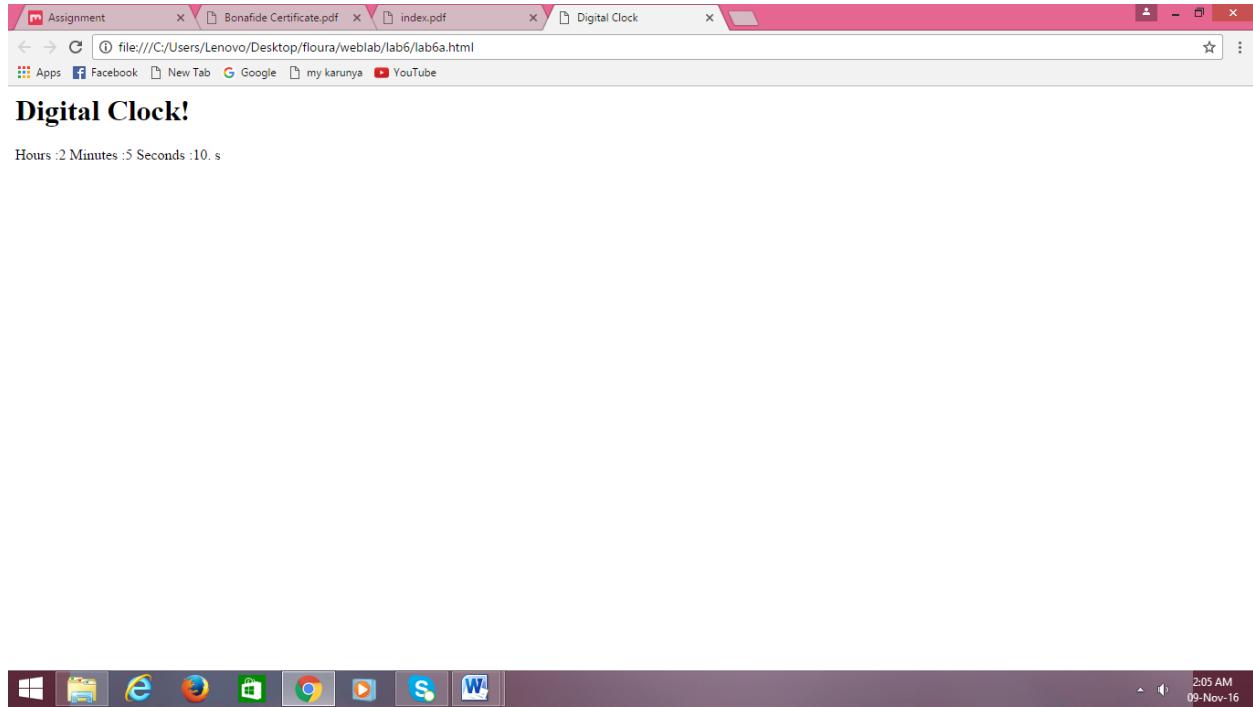
```
<h1>Digital Clock!</h1>
<span id="time"></span>.
<script>
//define function display
//call the time display function for every one second
</script>
```

Source Code & Screenshot

```
<html>
<head>
<title>Digital Clock</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<h1>Digital Clock!</h1>
<span id="time"></span>.
<script>
setInterval("display()", 1000);

function display(){
var d= new Date();
document.getElementById("time").innerHTML = "Hours :" +d.getHours() + " Minutes
:" +d.getMinutes() + " Seconds :" +d.getSeconds();

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



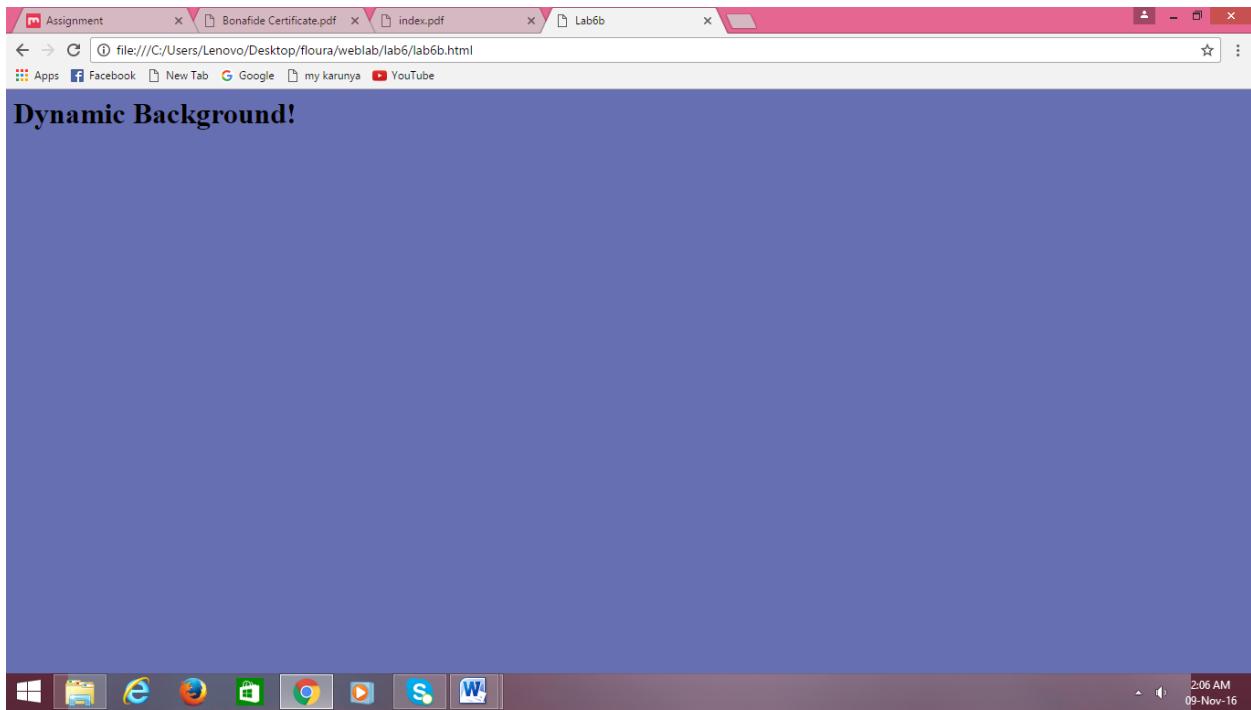
2. Write JavaScript code to change background colour for every 30 seconds.

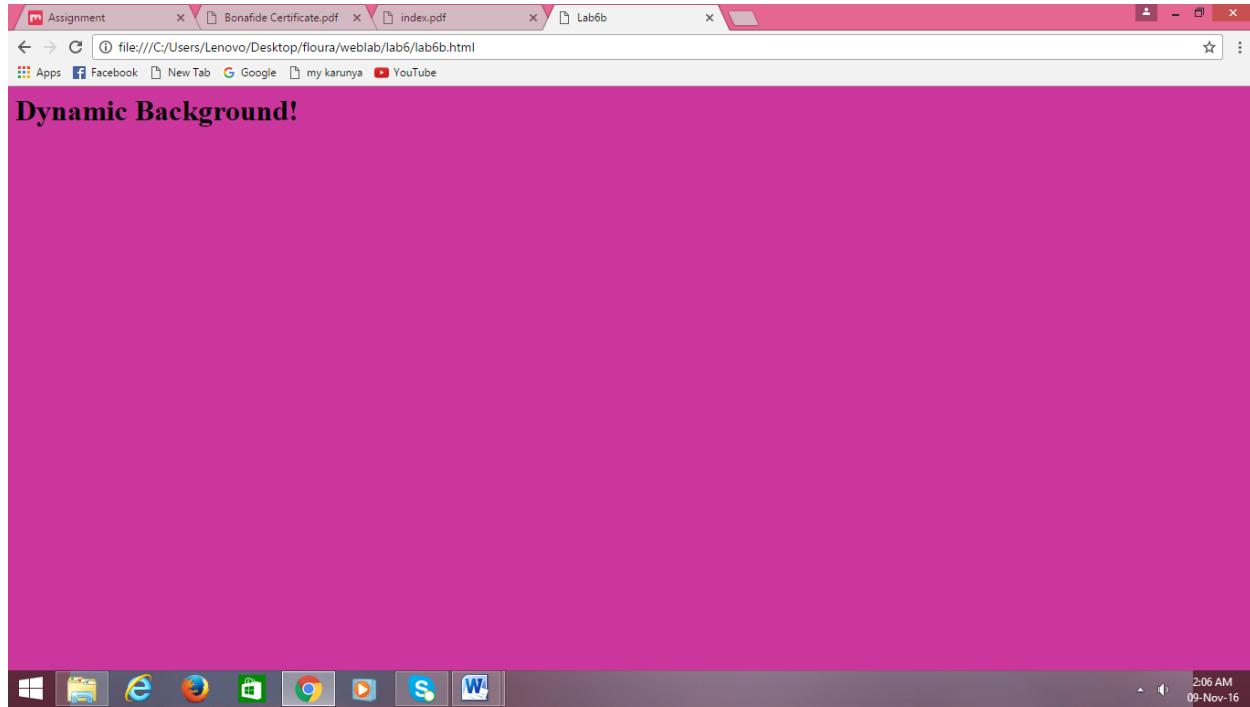
```
<body>
<h1>Dynamic Background!</h1>
<script>
    //define function setBackgroundColor
    //call the setBackgroundColor function for every two seconds
</script>
</body>
```

Source Code & Screenshot

```
<html>
<head>
<title>Lab6b</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<h1>Dynamic Background!</h1>
<script>
```

```
setInterval("bkg()", 2000);
function bkg(){
var red = Math.floor(Math.random()*255);
var blue = Math.floor(Math.random()*255);
var green = Math.floor(Math.random()*255);
var color= "rgb("+red+","+green+","+blue+")";
document.getElementsByTagName("body")[0].style="background-color:"+color;
}
</script>
</body>
</html>
```





3. Create event handlers that will increase the font size when a mouse moves over a paragraph and decrease the size when the mouse moves off the paragraph.

```
<h1>Change font size!</h1>
<p id="para1" onmouseover="incSize()" onmouseout="decSize()">
move cursor over me to zoom in...
</p>
<script>
    //define function incSize
    //define function decSize
</script>
</body>
```

Source Code & Screenshot

```
<html>
<head>
<title>Lab6c</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
p{
font-size: 20px;
```

```
}

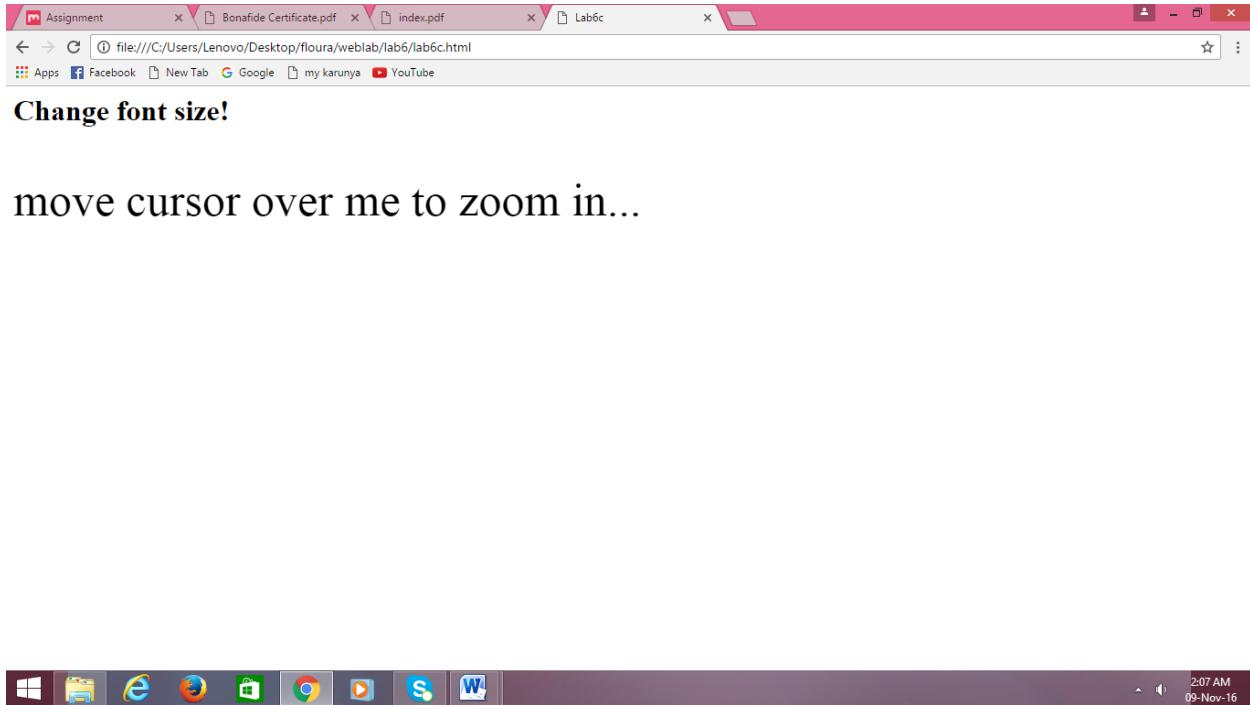
</style>
</head>
<body>
<h1>Change font size!</h1>
<p id="para1" onmouseover="incSize()" onmouseout="decSize()">
move cursor over me to zoom in...
</p>
<script>
function incSize(){
document.getElementById("para1").style = "font-size : 50px"
}
function decSize(){
document.getElementById("para1").style = "font-size : 20px"
}
</script>
</body>
</html>
```



Change font size!

move cursor over me to zoom in...





4. Write JavaScript code to move absolutely-positioned car image when a user clicks the move button and stop the car image when a user clicks the stop button on the following webpage.

Source Code & Screenshot

```
<html>  
  
<head>  
  
<title>Lab6d</title>  
  
<meta charset="UTF-8">  
  
<meta name="viewport" content="width=device-width, initial-scale=1.0">  
  
<style>  
  
#myImage{  
height : 150px;  
  
width : 80px;
```

```
}

</style>

</head>

<body>

<SCRIPT type="text/javascript">

var imgObj = null;

var animate ;

function init(){

imgObj = document.getElementById('myImage');

imgObj.style.position= 'relative';

imgObj.style.left = '0px';

}

function moveRight(){

imgObj.style.left = parseInt(imgObj.style.left) + 10 + 'px';

animate = setTimeout(moveRight,200);

}

function stop()

{

clearTimeout(animate);

}

window.onload =init;

</SCRIPT>
```

```
<FORM>
```

```
<IMG id="myImage" src="car.jpg" />
```

```
<P>Click the Start button to start animation</P>
```

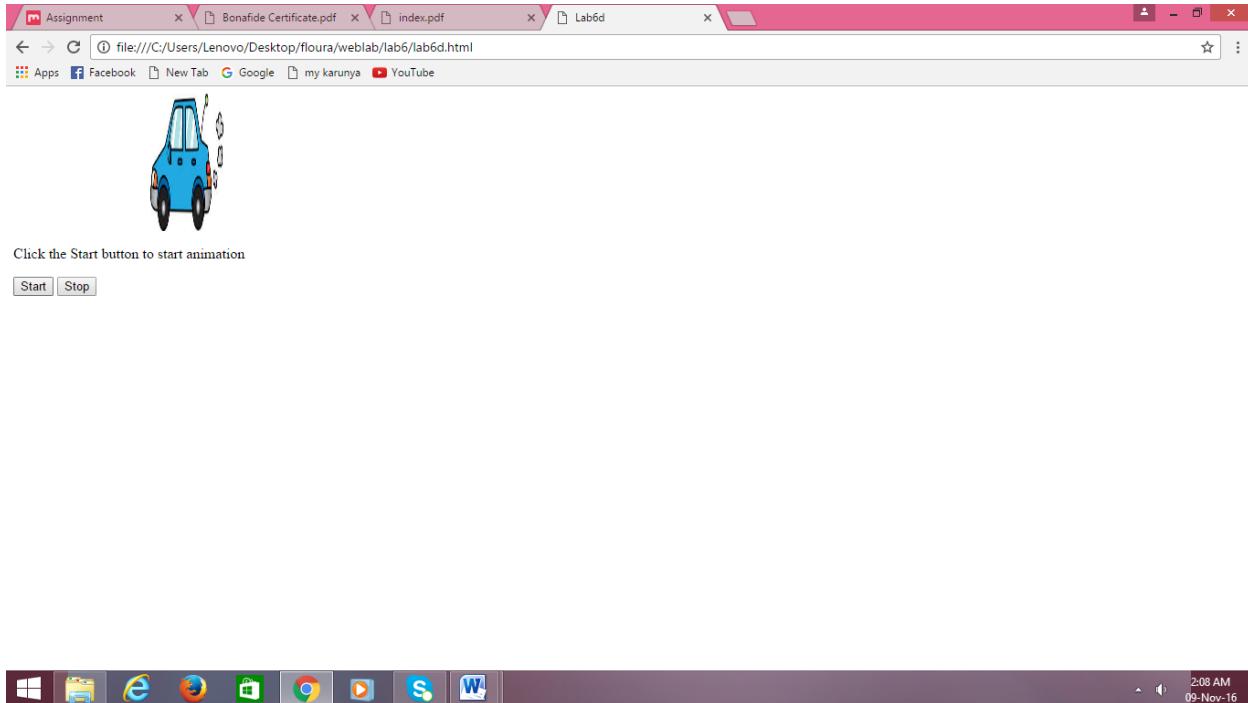
```
<INPUT type="button" value="Start" onclick="moveRight();"/>
```

```
<INPUT type="button" value="Stop" onclick="stop();"/>
```

```
</FORM>
```

```
</body>
```

```
</html>
```



5. Create an array of objects, where each object describes a book and has properties for the title (a string), author (a string) and year of publication (a number). Iterate through the array of books and display it on the web page. For each book, print the book title and book author like so: "Book title by author name". Now use an if/else statement to categorize the books that are published before 1980's and after 1980's.

Source Code & Screenshot

```
<html>
<head>
<title>Lab6e</title>
</head>
<body>
<div id="info">Details<br></div>
<script>
books();
function books(){
var Objectname = [
{ property1: "Mathematics",
Property2:"R.D.Sharma",
Property3:"1979"
},
{ property1: "Physics",
Property2:"H.C.Verma",
Property3:"1981"
];
for (var i = 0; i < Objectname.length; i++) {
document.getElementById("info").innerHTML +=
"title:"+Objectname[i].property1+"&nbsp;"+"author:"+Objectname[i].Property2+"&nbsp;"+"ye
ar:"+Objectname[i].Property3;
document.getElementById("info").innerHTML += "<br>";
}
for (var i = 0; i < Objectname.length; i++) {
var a = parseInt(Objectname[i].Property3);
if(Objectname[i].Property3 < 1980){
document.getElementById("info").innerHTML += "Before 1980 :
+"&nbsp;+"title:"+Objectname[i].property1+"&nbsp;"+"author:"+Objectname[i].Property2;
document.getElementById("info").innerHTML += "<br>";
}
else{
document.getElementById("info").innerHTML += "After 1980 :
+"&nbsp;+"title:"+Objectname[i].property1+"&nbsp;"+"author:"+Objectname[i].Property2;
document.getElementById("info").innerHTML += "<br>";
}
```

```
}
```

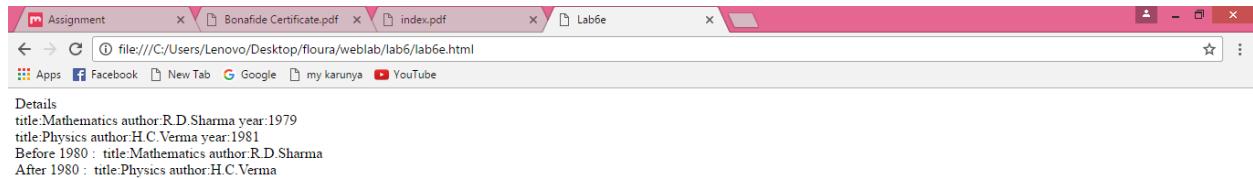
```
}
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```



Ex No:7	PHP – Super Global variables
Date of Exercise	26.9.16

Design a multi page shopping cart in PHP using super global variables (sessions, post or get). Use PHP sessions to store page wise form field values and validate form field values on each page using HTML5 form elements. At the end, collect values from all pages and display the summary page.

Notes:

Super global variables are used to retain values of a form and can transfer them from one page to another.

While dealing with the forms, information can be submitted and transferred to same or another page. To send submitted data through form, one can use **GET & POST** method. As in GET method key values are passed in the URL while in POST, the information transfers in a hidden manner.

Before sending information to server, it converts client's information into a query string in URL. Query string, generated by Post method never appears in address bar i.e. it is hidden for the user therefore; we can use this method for sending sensitive information to server. Moreover, POST method is used to send binary data to the server without any restrictions to data size.

PHP: Get Value of Text Box

Client Side: Below code is an HTML form with method="post" for user to fill information.

```
<form action="#" method="post">
    <input type="text" name="name"/><br/>
    <input type="submit" name="submit" value="Submit"/>
</form>
```

Server Side: Below code has PHP script where, `$_POST` associative array is used to receive sent information at server end.

```
<?php
    echo "Welcome: ". $_POST['name']. "<br />";
?>
```

PHP: Get Value of Select Option

```
<form action="#" method="post">
```

```

<select name="Color">
    <option value="Red">Red</option>
    <option value="Green">Green</option>
    <option value="Blue">Blue</option>
    <option value="Pink">Pink</option>
    <option value="Yellow">Yellow</option>
</select>
<input type="submit" name="submit" value="Get Selected Values" />
</form>
<?php
if(isset($_POST['submit'])){
    $selected_val = $_POST['Color']; // Storing Selected Value In Variable
    echo "You have selected :" . $selected_val; // Displaying Selected Value
}
?>

```

PHP: Get Value of Radio Button

```

<form action="" method="post">
    <input type="radio" name="radio" value="Radio 1">Radio 1
    <input type="radio" name="radio" value="Radio 2">Radio 2
    <input type="radio" name="radio" value="Radio 3">Radio 3
    <input type="submit" name="submit" value="Get Selected Values" />
</form>
<?php
if (isset($_POST['submit'])) {
    echo "You have selected :" . $_POST['radio']; // Displaying Selected Value
}
?>

```

PHP: Get Values of Multiple Checked Checkboxes

```

<form action="#" method="post">
    <input type="checkbox" name="check_list[]" value="C/C++"><label>C/C++</label><br/>
    <input type="checkbox" name="check_list[]" value="Java"><label>Java</label><br/>
    <input type="checkbox" name="check_list[]" value="PHP"><label>PHP</label><br/>
    <input type="submit" name="submit" value="Submit"/>
</form>
<?php
if(isset($_POST['submit'])){ //to run PHP script on submit
    if(!empty($_POST['check_list'])){

```

```
// Loop to store and display values of individual checked checkbox.
foreach($_POST['check_list'] as $selected){
    echo $selected."</br>";
}
}

?>
```

PHP Script: redirect to mentioned URL

```
<?php
if(isset($_POST['submit'])){
    // Fetching variables of the form which travels in URL
    $name = $_POST['name'];
    $email = $_POST['email'];
    if($name != "" && $email != "")
    {
        // To redirect form on a particular page
        header("Location:https://localhost/myphp/page2.php");
    }
    else{
        echo "<span> Please fill all fields.....!!!!!!!!!!!!</span>";
    }
}
?>
```

PHP Script: Sessions

```
<?php
// Start Session
session_start();

if (isset($_POST['name'])) {
    $_SESSION['name'] = $_POST['name']; // Store Session Data
}

echo $_SESSION['name']; // read Session Data

// destroy Session
session_destroy(); // Is Used To Destroy All Sessions

?>
```

Page1: Simple shopping cart

Design a simple shopping cart as given below. Add a form with an action value of second.php and method value of "post". Code the form with auto complete active. This form contains both required and optional fields. Asterisk (*) before each field indicates required fields and other fields are optional. When user fills the fields and clicks on next button, it will redirect to second page.

Choose your shirt options

Shirt Type *

 T-Shirt - Rs.500

 Hoodie - Rs.750

Clothing Item *

Women's Shirt
 Men's Shirt
 Children's Shirt

Quantity * **Size *** **Color ***

NEXT >>

Page 2: Shipping Information

Set sessions for all information received from page1. Design a form to get shipping information from user. As user clicks the continue button, redirect the user to third page.

Enter your shipping information

First Name * **Last Name ***

Name Family Name

Street Address *

My street

Address Line 2

address

City * **State ***

Coimbatore Tamil Nadu ▾

Zip Code * **Phone Number ***

641114 1234567890

Email Address *

name@gmail.com

Shipping *

Express (Rs.200)
 Standard (Rs.50)

CONTINUE >>

Page 3: Delivery confirmation

Generate a confirmation page with all information received from second page (user **`$_POST[]`** or **`$_GET[]`** array) and first page(Use **`$_SESSION[]`**). Display the order summary as given below.

Order Summary			
Please take a moment to review your order.			
Name : Mr.Name			
Address : Street Address			
Address line1			
Zip code : 6411114			
Phone Number : 1234567890			
Email Id : name@gmail.com			
Item	Item Description	Quantity	Amount
Women's Shirt	T-Shirt - Rs.500	1	Rs.500
Shipping	Standard (Rs.50)	1	Rs.50
Order Total			Rs.550
CONFIRM ORDER			

Source Code & Screenshot**Index.php**

```
<!DOCTYPE html>

<html>

    <head>

        <meta charset="UTF-8">
```

```
<title>Shopping</title>

<link rel="stylesheet" href="lab7.css">

<style type="text/css">

    .banner{

        width: 100%;

    }

    .banner img{

        width: 100%;

        height: 150px;

    }

    .overbanner{

        position: absolute;

        top:30px;

        left: 40%;

    }

    .overbanner img{

        width: 311px;

        height: 111px;

    }

    .img1{

        float: left;

        position: relative;

        margin: 0px;

    }

    .overimg{
```

```
position: absolute;  
height: 30px;  
top: 175px;  
color: white;  
/*background-color: black;  
opacity: 0;*/  
text-align: left;  
padding-top: 10px;  
width: 100%;  
}  
  
</style>  
  
</head>  
  
<body>  
  
<div>  
    <div class="banner">  
          
        <div class="overbanner">  
              
        </div>  
    </div>  
</div>  
  
<br><br>  
<!-- Item wala --&gt;<br/>  
<form action="page2.php" method="POST">  
    <div style="margin-left:200px;">
```

Cloth Type*



Women Wear - Rs. 500



Men Wear - Rs. 750

</div>

</div>

Cloth Item*

Top

Pant

Decorative

Quantity*

Size*

Type*

```
<input type="number" min="0" name="quantity" required="">

<select style="width:160px;" name="size" required="">
    <option value="XL">XL</option>
    <option value="Medium">Medium</option>
    <option value="Small">Small</option>
</select>

<select style="width:160px;" name="typek" required="">
    <option value="Packing">Packing</option>
    <option value="Gift Session">Gift Session</option>
    <option value="Leave at door">Leave at door</option>
</select>

<br><br>

<input type="submit" name="submit" value="Next>>" style="width:800px">
</div>

<br><br>

</form>

<div style="height:30dp;">&nbsp;</div>

</body>

</html>
```

Page2.php

<?php

```
session_start();
```

```
?>
```

```
<!DOCTYPE html>
```

```
<!--
```

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

```
-->
```

```
<html>
```

```
  <head>
```

```
    <meta charset="UTF-8">
```

```
    <title>Online Shopping</title>
```

```
  </head>
```

```
  <body>
```

```
    <div style="text-align: center;background-color: #b3ccff;font-size: 30px;padding: 10px 0px 10px 0px;">
```

```
      Enter Your Shipping Information</div>
```

```
      <div>&nbsp;</div>
```

```
      <form method="post" action="page3.php">
```

```
        <div>&nbsp;</div>
```

```
          First Name <span style="color: red;">*</span><br><input type="text" name="fname" required="" placeholder="Name" ><div>&nbsp;</div>
```

```
          Last Name <span style="color: red;">*</span><br><input type="text" name="lname" required="" placeholder="Family Name" ><div>&nbsp;</div>
```

Street Address *>
<input type="text" name="sname" required="" placeholder="My Street" ><div> </div>

Address Line2
<input type="text" name="add" placeholder="Address" ><div> </div>

City*>
<input type="text" required="" name="city" placeholder="City" ><div> </div>

State*>

<select id="state" name="sta">

 <option>Tamil Nadu</option>

 <option>Kerala</option>

 <option>Maharashtra</option>

 <option>Karnataka</option>

 <option>Andhra Pradesh</option>

 <option>Delhi</option>

 <option>West Bengal</option>

</select>

<div> </div>

Zip Code*>
<input type="text" required="" name="zip" ><div> </div>

Phone Number *>
<input type="text" required="" name="phone" ><div> </div>

Email Address *>
<input type="text" required="" name="email" placeholder="xxxxxx@xxxxx.com" ><div> </div>

Shipping *>

<div> </div>

<input type="radio" value="200" name="pots" checked="" >Express(Rs. 200)

<input type="radio" value="50" name="pots" >Standard(Rs. 50)

<div> </div><div> </div>

```
<input type="submit" name="sub" height="30px" value="Continue >>">  
</form>  
<?php  
// put your code here  
if(isset($_POST['submit']))  
{ $i = 1;  
$pitm = $_POST['type'];  
foreach ($_POST['type'] as $pitm) {  
$_SESSION['type'.$i] = $pitm;  
$i++;  
}  
  
$qun = $_POST['quantity'];  
$_SESSION['quantity'] = $qun;  
  
$fitem = $_POST['radio'];  
$_SESSION['clothitem'] = $fitem;  
  
$color = $_POST['size'];  
$_SESSION['size'] = $color;  
  
$name = $_POST['typek'];  
$_SESSION['typek'] = $name;  
}  
?>
```

```
</body>
```

```
</html>
```

Page3.php

```
<?php
```

```
    session_start();
```

```
?>
```

```
<!DOCTYPE html>
```

```
<!--
```

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

```
-->
```

```
<html>
```

```
    <head>
```

```
        <meta charset="UTF-8">
```

```
        <title>Page 3</title>
```

```
    </head>
```

```
    <body>
```

```
        <div style="text-align: center;background-color: #b3ccff;font-size: 30px;padding: 10px 0px 10px 0px;">
```

```
            Enter Your Shipping Information</div>
```

```
        <div>&nbsp;</div>
```

```
        <div>&nbsp;</div>
```

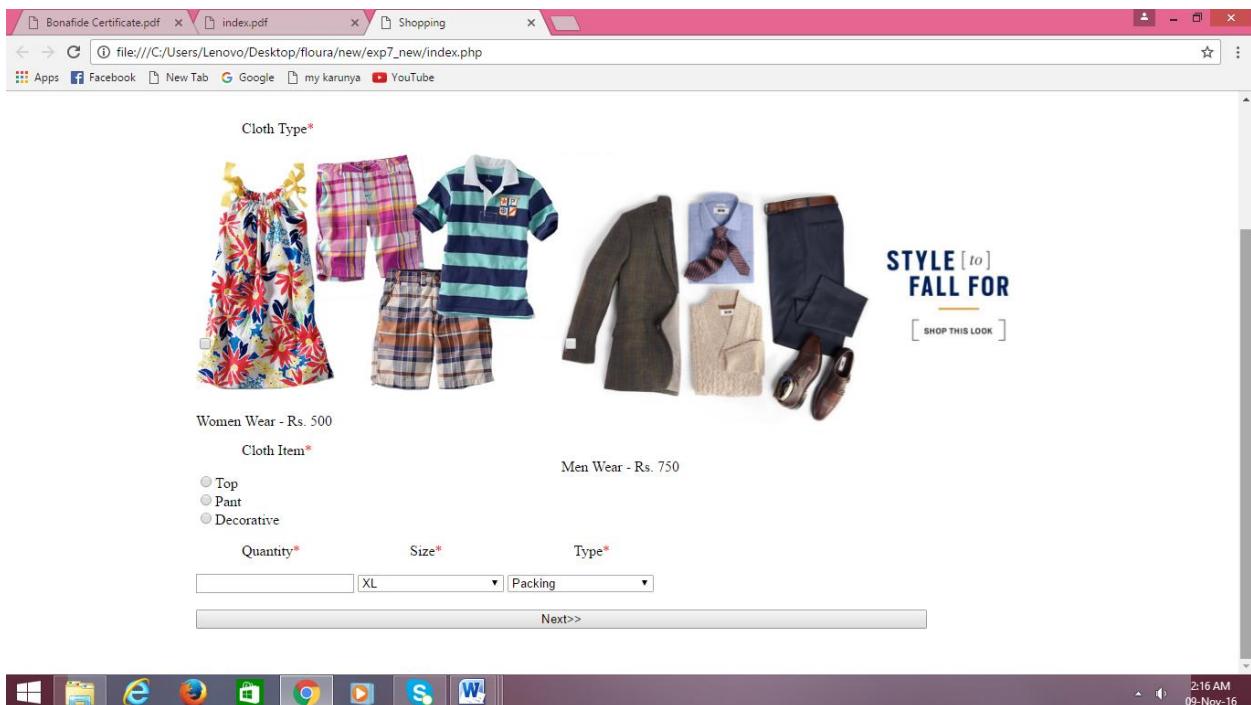
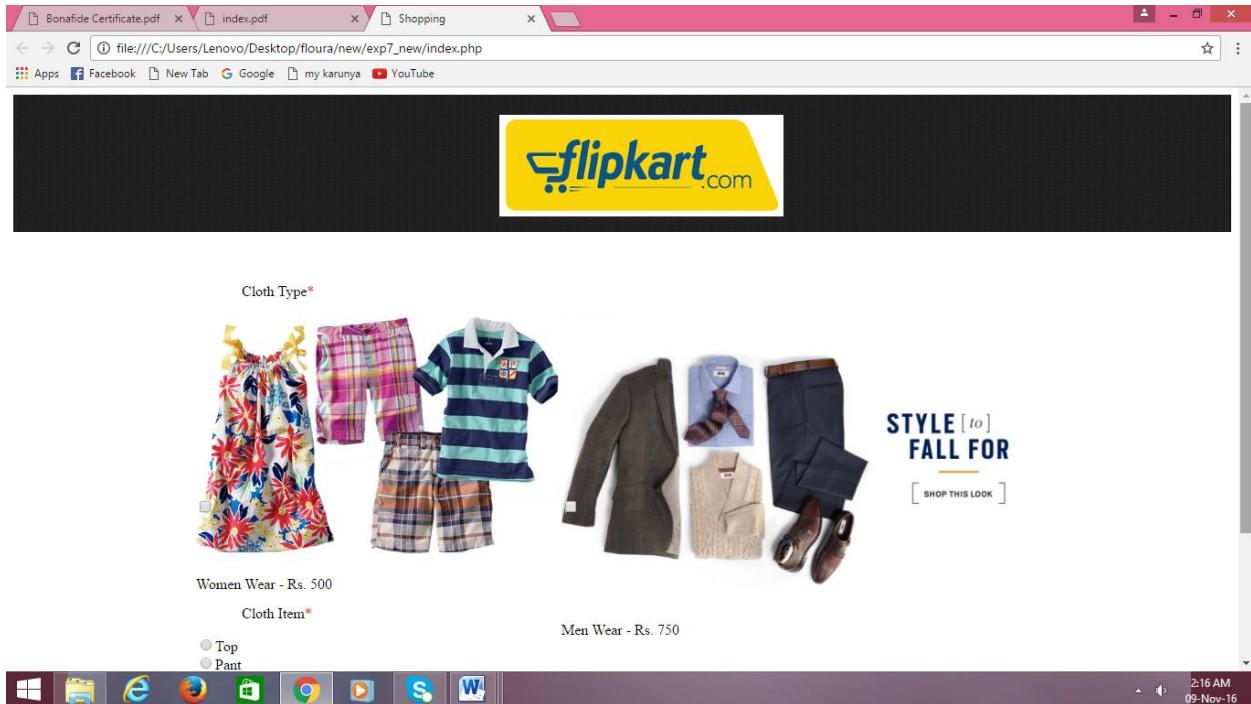
```
        <div>&nbsp;</div>
```

```
<div>Please take a moment to review your Order.</div><div>&nbsp;</div>
```

```
<?php  
// put your code here  
  
echo "Name : ".$_POST["fname"]." ".$_POST["lname"].<br>;  
  
echo "Address : ".$_POST["sname"].<br>;  
  
echo $_POST["add"].<br>;  
  
echo "State : ".$_POST["sta"].<br>;  
  
echo "Pin Code : ".$_POST["zip"].<br>;  
  
echo "Phone No. : ".$_POST["phone"].<br>;  
  
echo "Email ID : ".$_POST["email"].<br>;  
  
?>  
  
<div>&nbsp;</div>  
  
<div>  
    <table border="1">  
        <thead>  
            <th>Item</th>  
            <th>Item Description</th>  
            <th>Size</th>  
            <th>Quantity</th>  
            <th>Color</th>  
            <th>Amount</th>  
        </thead>  
        <?php  
        $amt=0;
```

```
if($_SESSION['type1']=="women")  
{$amt = 500*$_SESSION['quantity'];  
else  
{$amt = 750;  
  
$amt += $_POST['pots'];  
  
echo "<tr>  
    <td>".$_SESSION['type1']."</td>  
    <td>".$_SESSION['clothitem']."</td>  
    <td>".$_SESSION['size']."</td>  
    <td>".$_SESSION['quantity']."</td>  
    <td>".$_SESSION['typek']."</td>  
    <td>".$amt."</td>  
</tr>";  
}  
>  
</table>  
</div>  
</body>  
</html>
```

SCREENSHOTS:



First Name *

Last Name *

Street Address *

Address Line2

City*

State*

Zip Code*

Phone Number *

Email Address *

Shipping *

Express(Rs. 200)
 Standard(Rs. 50)

Menu Online Shopping - Go... [Test - NetBeans IDE ...] [XAMPP 5.5.37-0] exp7_new

Please take a moment to review your Order.

Name : flura angel
 Address : xyz
 State : Tamil Nadu
 Pin Code : 400 097
 Phone No. : 100
 Email ID : flura71196@gmail.com

Item	Item Description	Size	Quantity	Color	Amount
women	Top	Medium	3	Gift Session	1550

Google Google Accounts Log in to Women's Cod Google Online Shopping Page 3



Ex No:8	PHP – Database Connection and Cookies
Date of Exercise	1.10.16

Design a Registration and login system in PHP using cookies and mysql connection. Use mysql database to store user details and cookies to remember user details in the local machine.

Part 1: Make the database connection

Write a PHP file that can be added to other PHP files using the require functions. This file should:

- Make a connection to a MySQL database, and log in with valid credentials. The connection resource should be stored in a variable with an appropriate name.

Filename : **connect.php**

```
<?php
    //Database connectivity
    $dbhost = "localhost";
    $dbuser = "root";
    $dbpwd = "";
    //Open MYSQL connection
    $conn = mysqli_connect($dbhost, $dbuser, $dbpwd) or die("Connection Error");
    //Select the database
    $dbname = "members";
    mysqli_select_db($conn, $dbname) or die('Database Error');

    ?>
<?php
    //to include one file in another file
    require once "connect.php";
    ....
?>
```

- Create database **members**, if it does not exist.
- Select the **members** database.
- Create a table **users** if it does not exist with the following fields:
 - USERNAME VARCHAR(100)
 - PASSWORD CHAR(40)

- PHONE VARCHAR(10)
- The USERNAME field should be designated as UNIQUE.

Part 2: Write the registration form

Write a PHP file that will output a form containing 3 fields: username, password, and phone number. Also display the registered user names.

These fields should be sent via **POST** to the same file, which should take care of inserting them into a database named **members** and table named **users** (as shown above), and then confirm the registration by displaying the username and phone number back to the browser.

```
<?php
```

```
//code to insert the data
$name = $_POST["name"];
$pwd = $_POST["pwd"];
$phone = $_POST["phone"];
$query = "insert into users(username, password, phone) values ('$name', '$pwd',
'$phone')";
mysqli_query($conn, $query);
echo " Inserted successfully..";
?>
```

If the username already exists, your INSERT query should fail if you designated the **USERNAME field as unique**. You should query the database before attempting the insert, and if the username exists already, display an error message and a blank registration form again.

```
<?php
// code to check duplicate user name entry
$name = $_POST["name"];
$duplicate = "select * from users where username ='$name'";
$dup_result = mysqli_query($conn , $duplicate) or die(mysql_error());
if( mysqli_num_rows($dup_result) >=1)
{
    echo "User name is already available in database.";
    header("location:login.php");
    exit();
}
else {
    //code to insert the data
```

```
    }  
?>
```

Note that the PASSWORD field assumes that you are storing a hex-string representation of a SHA-1 hash of the password. **You should never store passwords in plaintext.** There are more secure ways of storing the password.

```
<?php  
  
$pwd = $_POST["pwd"];  
//encrypted password  
$encrypt_pwd = sha1( $pwd );  
$query = "insert into users(username, password, phone) values ('$name', '$encrypt_pwd'  
' , '$phone' )";  
mysqli_query( $conn, $query );  
echo " Inserted successfully..";  
?>
```

Display the people who have registered already. Use SELECT query to retrieve all values from database and display it on browser.

```
<?php  
  
$query = "select * from users ";  
$result = mysqli_query( $conn, $query );  
//make a loop and get all user names from the database  
if(mysqli_num_rows( $result ) > 0 ){  
    while ( $row = mysqli_fetch_array( $result ) ) {  
        echo $row[ 'username' ]. "<br>";  
    }  
}  
?>
```

Registration Form
http://localhost:80/ex8/register.php

Register here!

Fill in your name, password and mobile number, then click **Submit** to register.

User Name

Password

Mobile Number

People who are registered:

Brian

Part 3: Write the login form

Write a PHP file that will output a form containing 2 fields: username and password. Upon submission of the form, the code should check against the database to see whether the username password pair is correct. If so, display a **welcome message**. If not, display the message “**Invalid username or password**” followed by the same login form.

The output should be one of three options:

1. The login form.
2. The welcome page, if successful login.
3. The invalid message and the login form, if failed login.

Login

Username or Email

Password

Remember me on this device

Forgot your password? [Click here to reset it.](#)

Part 4: Write the reset password form

Write a form to allow a user to change their password. It should take 3 fields: the username, phone number, and new password. When the form is submitted, the code should make appropriate checks against the database, and if the username and phone numbers are correct, modify the entry to reflect the change in password. The user should receive a message that informs them of the successful password change. Remember that the database stores the [hash of the password](#).

If the username and phone number combination is not correct, [the password should not be changed](#). Inform the user of the failure to change the password, and display the change password form below the message.

The image shows a web browser window with a title bar and a toolbar. The main content area contains a form titled "Reset Password". The form consists of three input fields: "Username", "Mobile Number", and "Password", each with a placeholder text inside. Below these fields is a large, dark grey rectangular button labeled "change password". The overall layout is clean and modern.

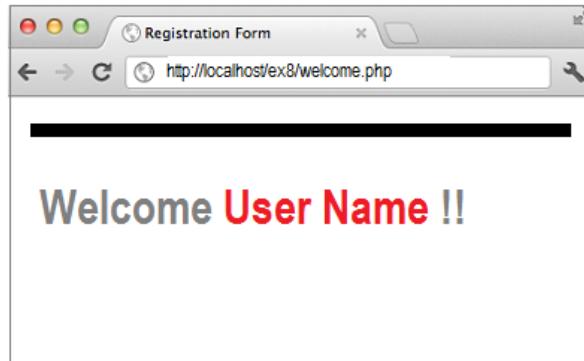
<?php

```
$name = $_POST["name"];
$newpwd = $_POST["pwd"];
//encrypt password
$encrypt_pwd = sha1( $newpwd );
$phone = $_POST["phone"];
$query = "select * from users where username = '$name' and phone='.$phone'";
$result = mysqli_query( $conn, $query ) or die(mysql_error());
if(mysqli_num_rows($result) == 1){
    $updatequery = "UPDATE users SET password = '$encryptpwd' WHERE
username = '$name'";
    mysqli_query( $conn, $updatequery ) or die(mysql_error());
}
?>
```

Part 5: Remember me!

Add a “Remember me!” checkbox to the login form. If the box is checked and the login is successful, save a **cookie** that identifies the user to the server. On further visits to the login page, if the cookie is set then redirect the user to welcome page.

```
<?php  
  
//if user logged in to the web site for first time and checked remember me button, then set cookie  
$name = $_POST["name"];  
if (valid user){  
    //create cookie  
    setcookie("username", $name, time()*60*60*24);  
}  
?  
<?php  
    //read cookie  
    if( isset($_COOKIE['username']) ){  
        header("location:login.php");  
        //echo 'Welcome ' . $_COOKIE['username'];  
    }?  
?>
```



Source Code & Screenshot

Register.php

```
<html>
<head>
<title>
    PHP Experiment No 8
</title>
</head>
<body>
<hr style="width: 100%; height: 15px; background-color: black"/>
<h1 style="font-weight:bold">Register Here </h1><br>
    Fill your name , password , mobile number then click the <span style="font-
    weight:bold">Submit</span> button<br><br>
<form action="registration.php" method="GET">
<fieldset>
    <legend>Register</legend>
    <br>
        Username: <input type="text" placeholder="Username" name="username" id =
        "username" onblur = "checkUser(this.value)"><br><br>
        <div id='text'></div>
        Password: <input type="password" placeholder="Password"
        name="password"><br><br>
        Mobile no: <input type="number" placeholder="Mobile Number"
        name="phoneno"><br><br>
        <input type="submit" value="Submit"><br>
</fieldset>
```

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

Registration.php

```
<?php  
//code to insert the data  
require "connect.php";  
  
$name = $_GET["username"];  
  
$phone = $_GET["phoneno"];  
  
$duplicate = "select * from Users where username ='$name'";  
  
$dup_result = mysqli_query($conn , $duplicate) or die(mysql_error());  
  
if( mysqli_num_rows($dup_result) >=1)  
{  
echo "User name is already available in database.";  
header("location:login.html");  
exit();  
}  
  
else {  
require "encrypt.php";  
echo " Inserted successfully..";  
  
// code to check duplicate user name entry  
}  
?>
```

Login.html

```
<html>
  <head>
    <title>
      PHP Experiment No 8
    </title>
  </head>
  <body>
    <hr style="width: 100%; height: 15px; background-color: black"/>
    <h1 style="font-weight:bold">Login </h1><br>
    <form action="check.php" method="GET">
      <fieldset>
        <legend>Login</legend>
        <br>
        <input type="text" placeholder="Username" name="username"><br><br>
        <input type="password" placeholder="Password" name="password"><br><br>
        <input type="checkbox" name="Yes" value="yes">Remember me on this device<br>
        <br><br>
        <input type="submit" value="Login"><br><br>
        Forgot your password.<a href="reset.php">Click here to reset</a><br>
      </fieldset>
    </form>
```

```
</body>
```

```
</html>
```

Check.php

```
<?php  
//code to insert the data  
session_start();  
require 'connect.php';  
$name = $_GET["username"];  
//echo $name;  
$ps = $_GET["password"];  
$pass = md5($ps);  
//echo $password;  
//echo "True";  
$duplicate = "select * from Users where username ='$name"';  
$query_l= mysqli_query($conn , $duplicate) or die(mysql_error());  
//echo $duplicate;  
$exists = mysqli_num_rows($query_l);  
//echo $exists;  
$_users = "";  
$_password = "";  
if($exists > 0)  
{  
    while($row = mysqli_fetch_assoc($query_l))
```

```
{  
    $_users = $row['username'];  
    $_password = $row['password'];  
    echo $_password;  
    echo $_users;  
    if($name == $_users){  
        echo "True";  
    }  
    if(($name == $_users)&&($password == pass))  
    {  
        $_SESSION["user"] = $name;  
        echo $_SESSION['user'];  
        header("Location:welcome.php");  
    }  
    else{  
        echo 'Values does not match';  
        header("Location:login.html");  
    }  
}  
else{  
    echo 'No such user';  
    header("Location:login.html");  
}
```

Connect.php

```
<?php  
//Database connectivity  
  
$dbhost = "localhost";  
  
$dbuser = "root";  
  
$dbpwd = "";  
  
//Open MYSQL connection  
  
$conn = mysqli_connect($dbhost, $dbuser, $dbpwd) or die("Connection  
Error");  
  
//Select the database  
  
$dbname = "Floura";  
  
mysqli_select_db($conn, $dbname) or die('Database Error');  
  
//echo $dbname;
```

Encrypt.php

```
<?php  
$pwd = $_GET["password"];  
  
echo $pwd;  
  
//encrypted password  
  
$encrypt_pwd = md5($pwd);  
  
echo $encrypt_pwd;  
  
$query = "insert into Users(username, password, phoneno) values ('$name',  
'$encrypt_pwd ', '$phone')";
```

```
mysqli_query( $conn, $query );  
echo " Inserted successfully..";  
?>
```

Cookie.php

```
<?php  
//if user logged in to the web site for first time and checked remember me button, then set cookie  
session_start();  
require "connect.php";  
$sessionname = $_SESSION['user'];  
$duplicate = "select * from Users where username ='$sessionname"';  
$dup_result = mysqli_query($conn , $duplicate) or die(mysql_error());  
if( mysqli_num_rows($dup_result) >=1)  
{  
setcookie("Username", $sessionname, time()+(60*60*24));  
//echo time()+(60*60*24);  
}  
?>
```

Display.php

```
<?php  
$query = "select * from Users ";  
$result = mysqli_query( $conn, $query );  
//make a loop and get all user names from the database
```

```
if(mysqli_num_rows( $result ) > 0 ){

while ( $row = mysqli_fetch_array( $result ) ) {

echo $row[ 'username' ]. "<br>";

}

}

?>
```

Reset.php

```
<html>

<head>

<title>

    PHP Experiment No 8

</title>

</head>

<body>

    <hr style="width: 100%; height: 15px; background-color: black"/>

    <h1 style="font-weight:bold">Reset Password</h1><br>

    <form action="check_reset.php" method="GET">

        <fieldset>

            <legend>Reset Password</legend>

            <br>

            <input type="text" placeholder="Username" name="username"><br><br>

            <input type="number" placeholder="Mobile Number" name="phoneno"><br><br>

            <input type="password" placeholder="Password" name="password"><br><br>
```

```
<input type="Submit" value="Change Password" name="Submit"><br><br>
</fieldset>
</form>
</body>
</html>
```

Check_reset.php

```
<?php
require_once 'connect.php';
$name = $_GET["username"];
$newpwd = $_GET["password"];
//encrypt password
$encrypt_pwd = md5($newpwd);
$phone = $_GET["phoneno"];
$query = "select * from Users where username = '$name' and phoneno ='$phone'";
echo $query;
$result = mysqli_query( $conn, $query) or die(mysql_error());
if(mysqli_num_rows($result) == 1){
echo "Updated";
$updatequery = "UPDATE Users SET password = '$encrypt_pwd' WHERE
username = '$name'";
echo $updatequery;
```

```
mysqli_query( $conn, $updatequery ) or die(mysql_error());  
}  
?>
```

Welcome.php

```
<?php  
//read cookie  
require 'cookie.php';  
if(isset($_SESSION['user'])){  
    echo 'Welcome ' . $_SESSION['user'];  
}  
else if( isset($_COOKIE['Username']) ){  
    echo 'Welcome ' . $_COOKIE['Username'];  
}  
?>
```

SCREENSHOTS:

Name	Last modified	Size	Description
Parent Directory	-	-	
? Username-check.php	2016-11-01 22:00	344	
? check.php	2016-11-01 22:09	1.1K	
? check_reset.php	2016-11-01 22:28	538	
? connect.php	2016-11-01 21:05	304	
? cookie.php	2016-11-01 21:43	442	
? display.php	2016-11-01 20:41	259	
? encrypt.php	2016-11-01 22:06	282	
login.html	2016-11-01 22:03	859	
nbproject/	2016-10-20 14:19	-	
? register.php	2016-10-20 22:03	1.6K	
? registration.php	2016-10-20 21:48	482	
? reset.php	2016-11-01 22:22	790	
? welcome.php	2016-11-01 22:10	201	



Fill your name , password , mobile number then click the **Submit** button

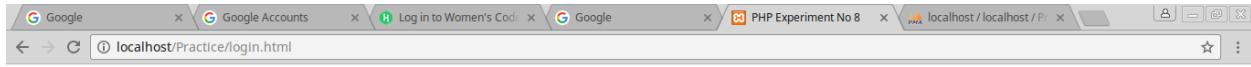
Register

Username:

Password:

Mobile no:





Login

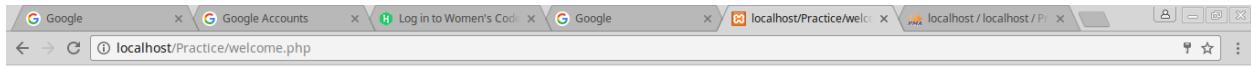
Login

Username

Password

Remember me on this device

Forgot your password. [Click here to reset](#)



Welcome bobzee



phpMyAdmin

Server: localhost » Database: Practice » Table: Users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 3 (4 total. Query took 0.0009 seconds.)

SELECT * FROM `Users`

username password phoneno

11	49f68a5c8493ec2c0bf489821c21fc3b	100
floura	0	999
angel	22af645d1859cb5ca6da0c484ff1f37ea	1000
bobzee	de1e3b0952476aae6888f98ea0e4ac11	2147483647

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print view Export Display chart Create view

Console bookmark this SQL query

Reset Password

username: 11
password: 100
Password: _____

Change Password

PHP Experiment No 8

The screenshot shows the phpMyAdmin interface for the 'Practice' database. The left sidebar lists databases: New, information_schema, mysql, performance_schema, phpmyadmin, Practice, New, Users, test, and Trial. The 'Users' table is selected under the 'Practice' database. The main area displays the following SQL query:

```
SELECT * FROM `Users`
```

The results table shows the following data:

username	password	phoneno
11	925d7518fc597af0e43f5606f9a51512	100
floura	0	999
angel	22af645d1859cb5ca6da0c484f1f37ea	1000
bobzee	de1e3b0952476aae6888f98ea0e4ac11	2147483647

Below the table are 'Query results operations' buttons: Print view, Export, Display chart, and Create view.

Ex No:9	Working with AJAX
Date of Exercise	17.10.16

For this exercise, we're going to extend our previous Exercise 8 by adding one more feature' **live username availability checking'** using AJAX and PHP. Use MYSQL database to store user details in the local machine.

In registration page of Ex8, add the event handler for checking the username availability via AJAX when the user leaves the username field. If user name exits in the database then display the message like "user name is not available" otherwise display "user name is available".

Registration.php

Registration page contains HTML Form, when user types username in input box then onblur() event will send AJAX GET request to "username-check.php" file and displays that the username is available or not.

```

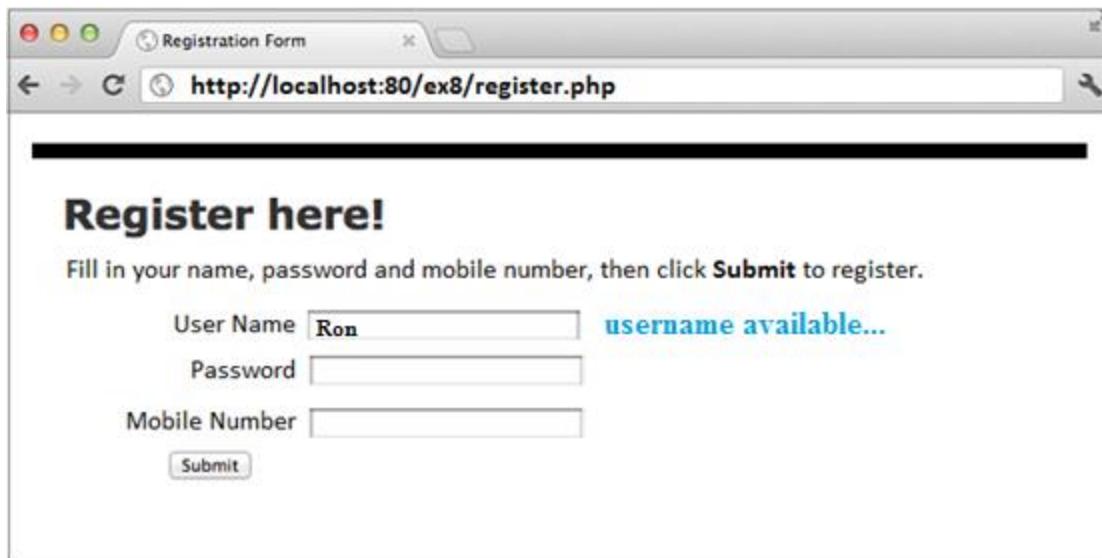
<body>
...
User Name :
<input type="text" id = "name" name = "name" onblur = "checkUser(this.value)">
<span id="txt"></span>
...
<script>
function checkUser(str) {
    xmlhttp = new XMLHttpRequest();
    xmlhttp.open("GET","Username-check.php?name="+str, true);
    xmlhttp.send();

    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            document.getElementById('txt').innerText = this.responseText;
        }
    };
}
</script>
```

```
</body>
```

Username-check.php

```
<?php
$name = $_GET['name'];
//open connection with mysql server
$con = mysqli_connect('localhost', 'root', '', 'mydb');
if($name!=""){
    $sql = "SELECT * FROM user WHERE name = '".$name."'";
    $result = mysqli_query($con, $sql);
    if(mysqli_num_rows($result) > 0){
        echo " User name is not available ";
    }
    else{
        echo " User name is available ";
    }
}
mysqli_close($con);
?>
```



Source Code & Screenshot

Register.php

```
<html>
<head>
<title>
    PHP Experiment No 8
</title>
</head>
<body>
<hr style="width: 100%; height: 15px; background-color: black"/>
<h1 style="font-weight:bold">Register Here </h1><br>
    Fill your name , password , mobile number then click the <span style="font-
    weight:bold">Submit</span> button<br><br>
<form action="registration.php" method="GET">
<fieldset>
    <legend>Register</legend>
    <br>
    Username: <input type="text" placeholder="Username" name="username" id =
    "username" onblur = "checkUser(this.value)"><br><br>
    <div id='text'></div>
    Password: <input type="password" placeholder="Password"
    name="password"><br><br>
    Mobile no: <input type="number" placeholder="Mobile Number"
    name="phoneno"><br><br>
    <input type="submit" value="Submit"><br>
</fieldset>
```

```
</form>

<script>

function checkUser(str) {

    xmlhttp = new XMLHttpRequest();

    console.log("1");

    xmlhttp.open("GET","Username-check.php?username="+str, true);

    console.log("2");

    xmlhttp.send();

    console.log("3");

    xmlhttp.onreadystatechange = function() {

        console.log("4");

        if (this.readyState == 4 && this.status == 200) {

            document.getElementById('text').innerHTML = this.responseText;

            console.log("5");

        }

    };

}

</script>

</body>

</html>
```

Username.php

```
<?php  
$name = $_GET['username'];  
echo $name;  
require_once 'connect.php';  
if($name!=""){  
$sql = "SELECT * FROM Users WHERE username = '".$name."';  
$result = mysqli_query($conn, $sql);  
$exists = mysqli_num_rows($result);  
if($exists == 0){  
echo " User name is available ";  
}  
else{  
echo " User name is not available ";  
}  
}  
mysqli_close($conn);  
?>
```

SCREENSHOTS:

Fill your name , password , mobile number then click the **Submit** button

Register

Username: floura

floura User name is not available

Password:

Mobile no: Mobile Number



Fill your name , password , mobile number then click the **Submit** button

Register

Username: flou

flou User name is available

Password:

Mobile no: Mobile Number

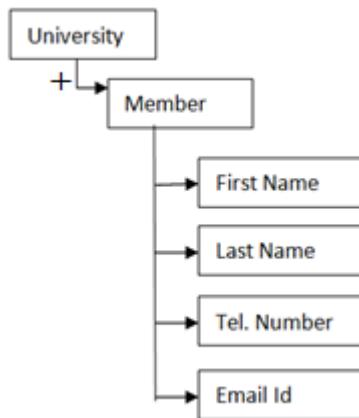
Name	Status	Type	Initiator	Size	Time	Timeline	Start Time	4.00 s
Username-check...	200	xhr	register...	30...	11...			
Username-check...	200	xhr	register...	29...	13...			

2 requests | 604 B transferred

Ex No:10	Working with XML and CSS
Date of Exercise	31.10.16

Assume a Web Application has a telephone directory that records the first and last name, telephone number and email address of everyone working in a university. Create a well formed XML document for containing the telephone directory and also format the XML file with CSS.

Hint: Hierarchical data model for this problem.



Well formed XML document

XML documents that conform to the syntax rules below are said to be "Well Formed" XML documents.

- XML documents must contain one **root** element that is the **parent** of all other elements. The XML prolog is optional. If it exists, it must come first in the document.
`<?xml version="1.0" encoding="UTF-8"?>`
- All XML Elements Must Have a Closing Tag
- XML Tags are Case Sensitive
- XML Elements Must be Properly Nested
- XML Attribute Values Must be Quoted

Formatting XML with CSS:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!-- links the css file to an XML file -->
<?xml-stylesheet type="text/css" href="mystyle.css"?>
```

Source Code & Screenshot

XML FILE

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="exp10.css"?>
<university>
    ku
    <member>
        fIRST
        <firstname>
            Floura
        </firstname>
        <lastname>
            Angel
        </lastname>
        <telnumber>
            9999900000
        </telnumber>
        <emailid>
            xyz@gmail.com
        </emailid>
    </member>
    <member>
        sECOND
        <firstname>
            Victorious
        </firstname>
        <lastname>
            Martin
        </lastname>
        <telnumber>
            2222288888
        </telnumber>
    </member>
</university>
```

```
<emailid>  
abc@gmail.com  
</emailid>  
</member>  
</university>
```

CSS FILE

```
university{  
    display: block;  
    background-color: lightblue;  
}  
  
member{  
    display: block;  
    background-color: lightgreen;  
}  
  
firstname{  
    display: block;  
    background-color: lightgrey;  
}  
  
lastname{  
    display: block;  
    background-color: lightyellow;  
}  
  
telnumber{  
    display: block;  
    background-color: grey;  
}  
  
emailid{  
    display: block;  
    background-color: orange;  
}
```

SCREENSHOTS:**Index of C:\Users\Lenovo\Desktop\floura\new\lab\exp10**

Name	Size	Date Modified
[parent directory]		
exp10.css	354 B	02/11/2016, 01:04:42
exp10.xml	1.0 kB	06/11/2016, 01:10:23

