

L.D. COLLEGE OF ENGINEERING

SUB: WEB TECHNOLOGY (2160708)

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SR NO.	TOPIC	PAGE NO.	START DATE	END DATE	SIGNATURE
1	Create a static web page which defines all text formatting tags of HTML in tabular format.				
2	Write HTML Code to demonstrate the use of Anchor Tag for the Following:- Creating a web link that opens in a new window. Creating a web link that opens in the same window. Reference within the same html document Reference to some image. Making an image a hyperlink to display second image.				
3	your class timetable using table tag.				
4	a website in which all the hyperlinks are the list items of an unordered list. You have to place this list in a frame that lies in leftside of your home page and after clicking any hyperlink the corresponding details should be displayed in a frame lying in right side of your web page.				
5	webpage using list tags of HTML.				
6	employee registration webpage using HTML form objects				
7	a web page of your home town with an attractive background color, text color, an Image, font etc. (use internal CSS).				
8	your resume and use Inline CSS to format it.				
9	external CSS to format your class timetable as you created in practical no 03.				

10	op simple calculator for addition, subtraction, multiplication and division operation using JavaScript.				
11	a program to Show use of alert, confirm and prompt box.				
12	: HTML Page that contains form with fields Name, Email, MobileNo, Gender, Favorite Color and a button now write a javascript code to combine and display the information in textbox when the button is clicked. Validate the page using regular expression.				
13	: XML file to store student information like Enrollment Number, Name, Mobile Number, Email Id. also create DTD file and XML schema.				
14	a PHP program To display today's date in dd-mm-yyyy format. To check if number is prime or not.				
15	: HTML page that contain textbox, submit / reset button. Write php program to insert this information in database and display it.				

Practical-1

Aim: Create a static web page which defines all text formatting tags of HTML in tabular format.

About HTML:

HTML stands for Hyper Text Markup Language

HTML describes the structure of Web pages using markup

HTML elements are the building blocks of HTML pages

HTML elements are represented by tags

HTML tags label pieces of content such as "heading", "paragraph", "table", and so on

Browsers do not display the HTML tags, but use them to render the content of the page

Text Formatting Tags:

Tag	Description	Example
	Defines bold text	This is Bold text.
<i>	Defines italic text	This is <i>Italic</i> text.
<small>	Defines smaller text	Text in small format.
	Defines important text	This is Strong text.
<sub>	Defines subscripted text	This is _{subscripted} text.
<sup>	Defines superscripted text	This is ^{superscripted} text.
<ins>	Defines inserted text	Example of <u>insert</u> tag.
	Defines deleted text	Example of delete tag.
<mark>	Defines marked/highlighted text	This is marked text.
	Defines emphasized text	This is <i>emphasized</i> text.

Note:Browsers display as , and as <i>. However, there is a difference in the meaning of these tags: and <i> defines bold and italic text, but and means that the text is "important".

You can create a table using <table> tag.

Expected Output:

Text Formatting Tags

Tag	Example
	This is Bold text.
<i>	This is <i>Italic</i> text.
<small>	Text in small format.
	This is Strong text.
<sub>	This is _{subscripted} text.
<sup>	This is ^{superscripted} text.
<ins>	Example of <u>insert</u> tag.
	Example of delete -tag.
<mark>	This is marked text.
	This is <i>emphasized</i> text.

Practical-1

AIM:

Create a static web page which defines all text formatting tags of HTML in tabular format.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Text Formatting Tags</title>
    <style>
      #h1
      {
        color: blue;
      }
      h1
      {
        color: red;
      }
    </style>
  </head>
  <body bgcolor="gray">
    <h1 align="center">Text Formatting Tags</h1>
    <table align="center" border="1">
      <tr>
        <th>HTML Tag</th>
        <th>Output</th>
      </tr>
      <tr>
        <th>Normal text</th>
        <th><h6>hello world</h6></th>
      </tr>
      <tr>
        <th>font & its attributes</th>
        <th><h1 id = h1>hello world</h1></th>
      </tr>
      <tr>
        <th>&ltB&gt</th>
        <th><b>Bold</b></th>
      </tr>
      <tr>
        <th>&ltI&gt</th>
        <th><i>Italic</i></th>
```

```

</tr>
<tr>
  <th>&ltU&gt</th>
  <th><u>Underline</u></th>
</tr>
<tr>
  <th>&ltEM&gt</th>
  <th><em>Emphasis</em></th>
</tr>
<tr>
  <th>&ltSTRONG&gt</th>
  <th><strong>STRONG</strong></th>
</tr>
<tr>
  <th>&ltTELETYPE&gt</th>
  <th><tt>TELETYPE</tt></th>
</tr>
<tr>
  <th>&ltCITE&gt</th>
  <th><cite>Citation</cite></th>
</tr>
<tr>
  <th>&ltSTRIKE&gt</th>
  <th><strike>strike through text</strike></th>
</tr>
<tr>
  <th>&ltBIG&gt</th>
  <th><big>text in big font</big></th>
</tr>
<tr>
  <th>&ltSMALL&gt</th>
  <th><small>text in small font</small></th>
</tr>
<tr>
  <th>&ltSUB&gt</th>
  <th>a<sub>b</sub></th>
</tr>
<tr>
  <th>&ltSUP&gt</th>
  <th>a<sup>b</sup></th>
</tr>
</table>
</body>
</html>

```

Output:

Text Formatting Tags	
HTML Tag	Output
Normal text	hello world
font & its attributes	hello world
	Bold
<I>	<i>Italic</i>
<U>	<u>Underline</u>
	<i>Emphasis</i>
	STRONG
<TELETYPE>	TELETYPE
<CITE>	<i>Citation</i>
<STRIKE>	strike through text
<BIG>	text in big font
<SMALL>	text in small font
<SUB>	a _b
<SUP>	a ^b

Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
Layout/Design	The web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.	The web site has an attractive and usable layout. It is easy to locate all important elements.	The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The web site has a cluttered look and is confusing. It is often difficult to locate important elements.
Cascading Style Sheet	Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Student fails to use a style sheet within the pages of the web site.
Navigation	Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages and take reader where he expects to go. A user does not become lost.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels lost.
Graphics	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding.	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding.	Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.	Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.

Practical-2

Aim: Write HTML Code to demonstrate the use of Anchor Tag for the Following:-

Creating a web link that opens in a new window.

Creating a web link that opens in the same window.

Reference within the same html document

Reference to some image.

Making an image a hyperlink to display second image.

HTML Links – Hyperlinks:

HTML links are hyperlinks. You can click on a link and jump to another document.

Hyperlinks are defined with the HTML <a>[anchor tag] tag:

Example: link text

The href attribute specifies the destination address of the link.

The link text is the visible part (Visit our HTML tutorial).

Clicking on the link text will send you to the specified address.

The target attribute specifies where to open the linked document.

The **target** attribute can have one of the following values:

_blank - Opens the linked document in a new window or tab

_self - Opens the linked document in the same window/tab as it was clicked (this is default)

_parent - Opens the linked document in the parent frame

_top - Opens the linked document in the full body of the window

framename - Opens the linked document in a named frame

In order to make an image a hyperlink, you can use tag within anchor tag.

Example:

```
<a href="URL">
  
</a>
```

Code:

```
<!DOCTYPE html>
<html>
```



```
<head>
  <title></title>
</head>
<body>
  <a href="https://www.facebook.com" target="_self">Link</a><br>
  <h1>This is cool <a href="#linker"></a></h1><br>
  <a href="#linker">Link2</a><br>
  <a href="a.jpg">Link to Image</a><br>
  <a href="b.jpg"></a><br>
</body>
</html>
```

Output:

[link](#)

This is Cool

[link2](#)

[link to Image](#)



Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
Layout/Design	The web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.	The web site has an attractive and usable layout. It is easy to locate all important elements.	The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The web site has a cluttered look and is confusing. It is often difficult to locate important elements.
Cascading Style Sheet	Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Student fails to use a style sheet within the pages of the web site.
Navigation	Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages and take reader where he expects to go. A user does not become lost.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels lost.
Graphics	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding.	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding.	Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.	Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.

Practical-3

Aim: Create your class timetable using table tag.

HTML Table:

The <table> tag defines an HTML table.

An HTML table consists of the <table> element and one or more [<tr>](#), [<th>](#), and [<td>](#) elements.

The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

A more complex HTML table may also include <caption>, <col>, <colgroup>, <thead>, <tfoot>, and <tbody> elements.

Example: simple HTML table, containing two columns and two rows:

```
<table>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
</table>
```

Different attributes of table tag:

Attribute	Value	Description
align	left	Specifies the alignment of a table according to surrounding text
	center	
	right	
bgcolor	rgb(x,x,x)	Specifies the background color for a table
	#xxxxxx	
	colorname	
border	1	Specifies whether or not the table is being used for layout purposes
	0	
cellpadding	pixels	Specifies the space between the cell wall and the cell content
cellspacing	pixels	Specifies the space between cells
frame	void	Specifies which parts of the outside borders that should be visible
	above	
	below	
	hsides	
	lhs	
	rhs	
	vsides	
	box	
rules	border	Specifies which parts of the inside borders that should be visible
	none	
	groups	
	rows	
	cols	
	all	

summary	text	Specifies a summary of the content of a table
width	pixels %	Specifies the width of a table

Expected output:

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10:00 - 11:00	Applied Mathematics	Computer Networks	Information Theory and Coding	Computer Organization and Architecture	Automata Theory	Web Programming
11:00 - 12:00	Information Theory and Coding	Web Programming	Computer Networks	Computer Networks	Automata Theory	Applied Mathematics
12:00 - 01:00	Applied Mathematics	Information Theory and Coding	Automata Theory	Computer Networks	Web Programming	Computer Networks
01:00 - 02:00	Applied Mathematics	Computer Organization and Architecture	Automata Theory	Web Programming	Information Theory and Coding	Computer Networks
02:00 - 03:00	Applied Mathematics	Web Programming	Automata Theory	Computer Organization and Architecture	Information Theory and Coding	Computer Networks

Code:

```

<html>
<head>
<title> practical3 </title>
<style>
table.table1 , table.table1 td {
text-align:center;
border: 1px solid black;
border-collapse: collapse;
}
table {
border-size:2px;
}
table.table2{
border:none;
border-collapse: collapse;
margin: 0 auto;
}
</style>
</head><body>
<center>

```

```

<table class="table1" border="1" height="460px" width="1050px">
  <tr height="20px">
    <td width="150px">TIME</td>
    <td width="150px">10:45</td>
    <td width="150px">11:45</td>
    <td width="150px">1:15</td>
    <td width="150px">2:15</td>
    <td width="150px">3:30</td>
    <td width="150px">4:30</td>
  </tr>
  <tr height="20px">
    <td>DAY</td>
    <td>11:45</td>
    <td>12:45</td>
    <td>2:15</td>
    <td>3:15</td>
    <td>4:30</td>
    <td>5:30</td>
  </tr>
  <tr height="70px">
    <td>MON<br></td>
    <td>DCDR <br> PRP</td>
    <td>DE I <br> ACP</td>
    <td colspan="2">
      <table class="table2" width="100%" height="100%" >
        <tr>
          <td>
            DCDR-A1-PRP(Lab_3)
          </td>
        </tr>
        <tr>
          <td>
            DCDR-A2-ME_Vrunda(lab_3)
          </td>
        </tr>
        <tr>
          <td>
            DCDR-A1-PRP(Lab_3)
          </td>
        </tr>
        <tr>
          <td>
            DCDR-A4-ME_Umang(lab_6)
          </td>
        </tr>
      </table>
    </td>
    <td>SE<br>JBC</td>
    <td>--</td>
  </tr>

```

```

<tr height="70px">
<td>TUES<br></td>
<td>AJ <br> BBP</td>
<td>AJ <br> BBP</td>
<td colspan="2">
<table class="table2" width="100%" height="100%">
<tr>
<td>
SE-A1-MBP(Lab_1)
</td>
</tr>
<tr>
<td>
SE-A2-NPD(Lab_2)
</td>
</tr>
<tr>
<td>
SE-A3-ME_Vrustik(Lab_6)
</td>
</tr>
<tr>
<td>
AJ-A4-SAS(Lab_5)
</td>
</tr>
</table>
</td>
<td>DE I <br>ACP</td>
<td>SE <br>JBC</td>
</tr>
<tr height="70px">
<td>WED</td>
<td>AJ <br> BBP</td>
<td>AJ <br> BBP</td>
<td colspan="2">
<table class="table2" width="100%" height="100%">
<tr>
<td>
AJ-A1-BBP(Lab_5)
</td>
</tr>
<tr>
<td>
AJ-A2-JTP(Lab_2)
</td>
</tr>
<tr>
<td>
AJ-A3-ME_Vaibhavi(Lab_1)

```

```

</td>
</tr>
<tr>
<td>
DCDR-A4-PRP(Lab_6)
</td>
</tr>
</table>
</td>
<td>WT <br>AJP</td>
<td>DCDR <br>PRP</td>
</tr>
<tr height="70px">
<td>THURS<br></td>
<td>SE<br> JBC</td>
<td>AJ <br>BBP</td>
<td colspan="2">
<table class="table2" width="100%" height="100%">
<tr>
<td>
DE I-A1-ACP(Lab_5)
</td>
</tr>
<tr>
<td>
</td>
</tr>
</table>
</td>
<td>
DCDR-A3-PRP(Lab_6)
</td>
</tr>
<tr>
<td>
SE-A4-JBC(Lab_2)
</td>
</tr>
</table>
</td>
<td>DE I <br>ACP</td>
<td>WT <br>AJP</td>
</tr>
<tr height="70px">
<td>FRI<br></td>
<td>--</td>
<td>WT <br>AJP</td>
<td colspan="2">
<table class="table2" width="100%" height="100%">
<tr>
<td>

```

```

WT-A1-MNP(Lab_3)
</td>
</tr>
<tr>
<td>
WT-A2-AJP(Lab_3)
</td>
</tr>
<tr>
<td>
WT-A3-PNR(Lab_4)
</td>
</tr>
<tr>
<td>
WT-A4-SJP(Lab_4)
</td>
</tr>
</table>
</td>
<td>DE I <br>ACP</td>
<td>SE <br>JBC</td>
</tr>
<tr height="70px">
    <td>SAT<br></td>
<td colspan="6">
<table class="table2" width="100%" height="100%">
<tr>
<td>
DE 2B-A1-BBP(Lab_4)
</td>
</tr>
<tr>
<td>
DE 2B-A2-PNR(Lab_4)
</td>
</tr>
<tr>
<td>
DE 2B-A3-SAS(Lab_5)
</td>
</tr>
<tr>
<td>
DE 2B-A4-JTP(Lab_5)
</td>
</tr>
</table>
</td>
</tr>

```


</table>
 </center>
 </body>
 </html>

Output:

TIME	10:45	11:45	1:15	2:15	3:30	4:30
DAY	11:45	12:45	2:15	3:15	4:30	5:30
MON	DCDR PRP	DE I ACP	DCDR-A1-PRP(Lab_3)		SE JBC	--
			DCDR-A2-ME_Vrunda(lab_3)			
			DCDR-A1-PRP(Lab_3)			
			DCDR-A4-ME_Umang(lab_6)			
TUES	AJ BBP	AJ BBP	SE-A1-MBP(Lab_1)		DE I ACP	SE JBC
			SE-A2-NPD(Lab_2)			
			SE-A3-ME_Vrustik(Lab_6)			
			AJ-A4-SAS(Lab_5)			
WED	AJ BBP	AJ BBP	AJ-A1-BBP(Lab_5)		WT AJP	DCDR PRP
			AJ-A2-JTP(Lab_2)			
			AJ-A3-ME_Vaibhavi(Lab_1)			
			DCDR-A4-PRP(Lab_6)			
THURS	SE JBC	AJ BBP	DE I-A1-ACP(Lab_5)		DE I ACP	WT AJP
			DCDR-A3-PRP(Lab_6)			
			SE-A4-JBC(Lab_2)			
FRI	--	WT AJP	WT-A1-MNP(Lab_3)		DE I ACP	SE JBC
			WT-A2-AJP(Lab_3)			
			WT-A3-PNR(Lab_4)			
			WT-A4-SJP(Lab_4)			
SAT	DE 2B-A1-BBP(Lab_4)					
	DE 2B-A2-PNR(Lab_4)					
	DE 2B-A3-SAS(Lab_5)					
	DE 2B-A4-JTP(Lab_5)					

Rubric:

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Practical-4

Aim: Create a website in which all the hyperlinks are the list items of an unordered list. You have to place this list in a frame that lies in leftside of your home page and after clicking any hyperlink' the corresponding details should be displayed in a frame lying in right side of your web page.

Unorder list:

An unordered list starts with the `` tag. Each list item starts with the `` tag. The list items will be marked with bullets (small black circles) by default:

Example:

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

Frame:

The `<frame>` tag defines one particular window (frame) within a `<frameset>`. Each `<frame>` in a `<frameset>` can have different attributes, such as border, scrolling, the ability to resize, etc.

Example: A simple three-framed page

```
<frameset cols="25%,50%,25%">
  <frame src="frame_a.htm">
  <frame src="frame_b.htm">
  <frame src="frame_c.htm">
</frameset>
```

Hyperlink:

HTML links are hyperlinks. You can click on a link and jump to another document.

Hyperlinks are defined with the HTML `<a>`[anchor tag] tag:

Exmple: `link text`

The **href** attribute specifies the destination address of the link.

The **link text** is the visible part (Visit our HTML tutorial).

Clicking on the link text will send you to the specified address.

The target attribute specifies where to open the linked document.

The **target** attribute can have one of the following values:

_blank - Opens the linked document in a new window or tab

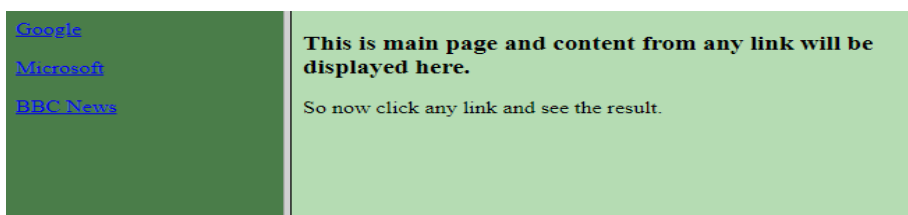
_self - Opens the linked document in the same window/tab as it was clicked (this is default)

_parent - Opens the linked document in the parent frame

_top - Opens the linked document in the full body of the window

frameName - Opens the linked document in a named frame

Expected output:



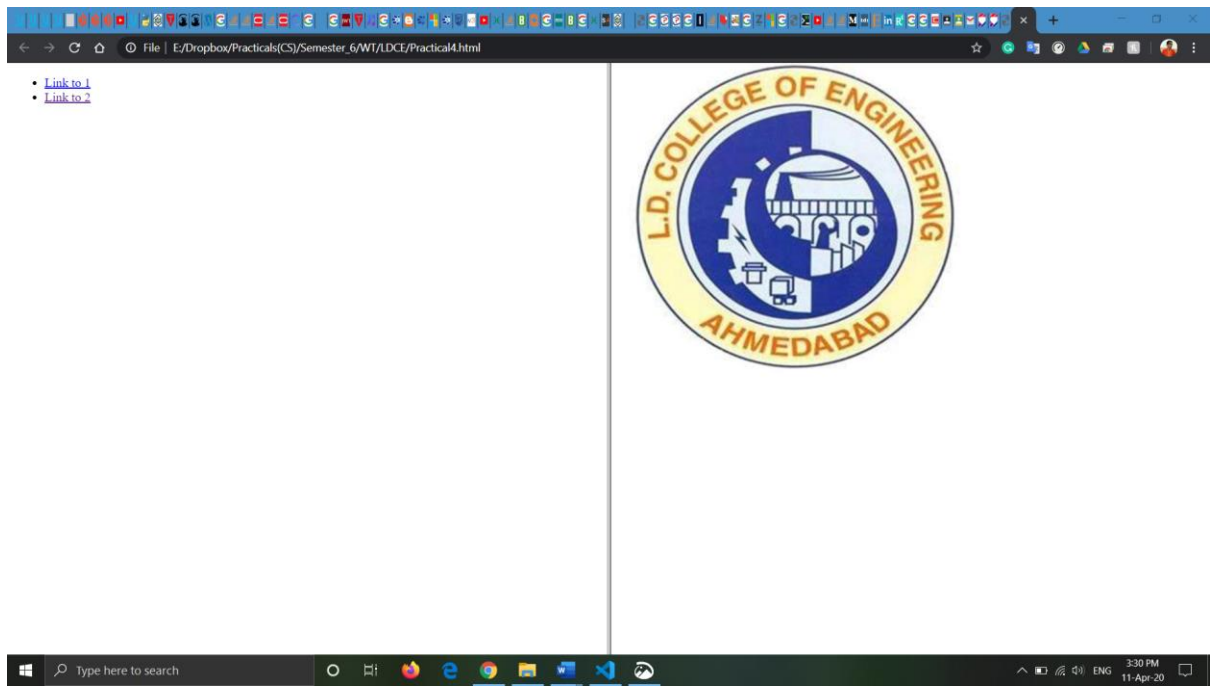
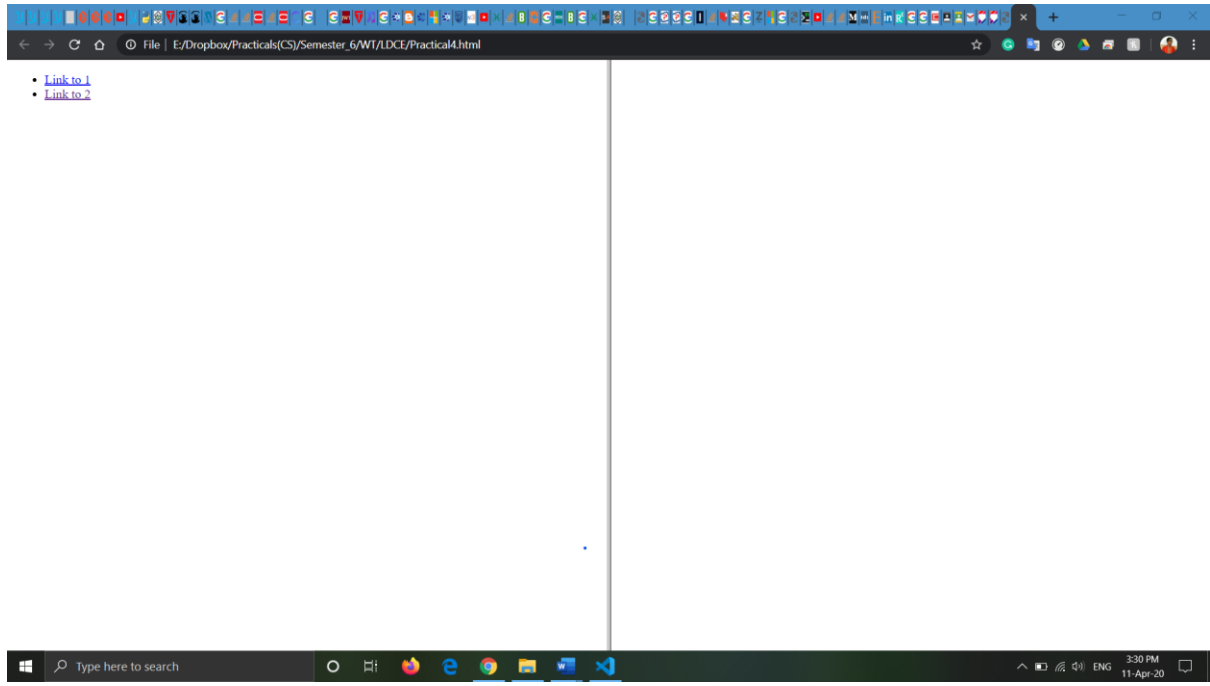
Code:1) Practical4.html:

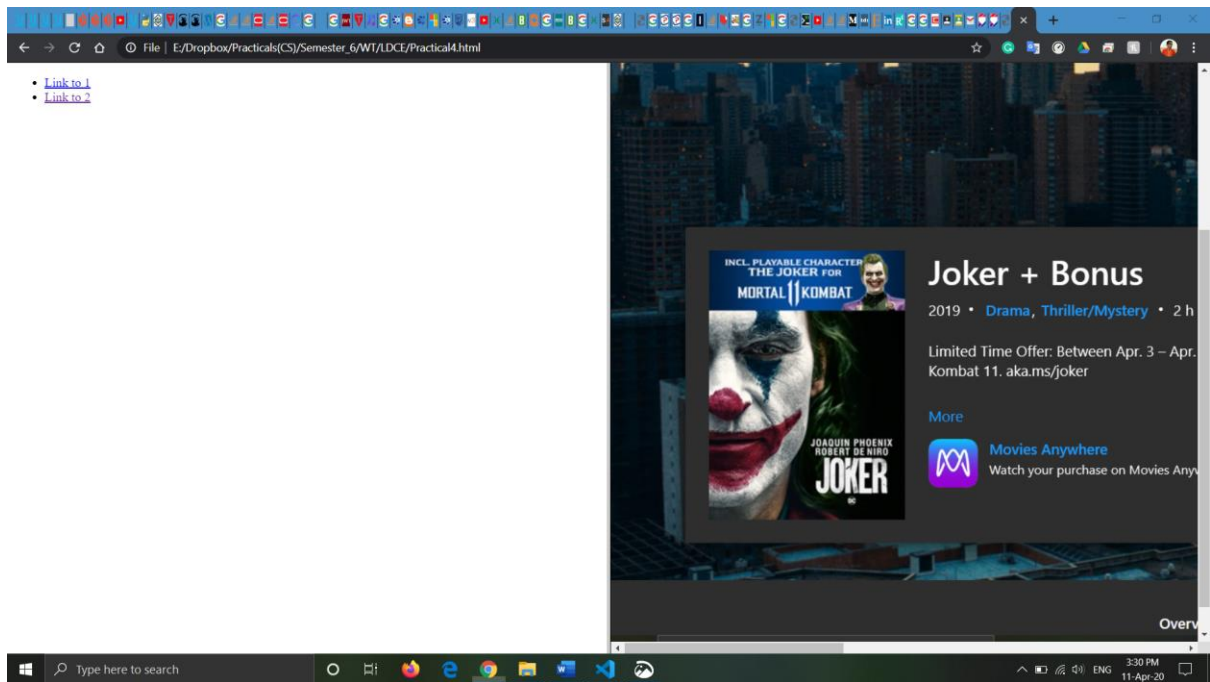
```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<frameset cols="*,*">
<frame name="listlinks" src="Practical4frame.html">
<frame name=content>
</frameset>
</html>
```

2) Practical4frame.html:

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
<ul>
    <li><a href="LDCE-Symbol.jpeg" target="content">Link to 1</a></li>
    <li><a href="JOKER.png" target="content">Link to 2</a></li>
</ul>
</body>
</html>
```

Output:





Rubric:**Criteria****Excellent(4)****Good (3)****Fair(2)****Poor(1)****Coding
Validation**

There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.

There are 1-3 coding errors on the site as found by me or an online validator.

There are 4-5 coding errors on the site as found by me or an online validator.

There are more than 6 coding errors on the site as found by me or an online validator.

Layout/Design

The web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.

The web site has an attractive and usable layout. It is easy to locate all important elements.

The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.

The web site has a cluttered look and is confusing. It is often difficult to locate important elements.

**Cascading Style
Sheet**

Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.

Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.

Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.

Student fails to use a style sheet within the pages of the web site.

Navigation

Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages and take reader where he expects to go. A user does not become lost.

Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.

Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.

Some links do not take the reader to the sites/pages described. A user typically feels lost.

Graphics

Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding.

Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding.

Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.

Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.

Practical-5

Aim: Create webpage using list tags of HTML.

Unordered HTML List:

An unordered list starts with the `` tag. Each list item starts with the `` tag.

The list items will be marked with bullets (small black circles) by default:

Example:

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

The CSS `list-style-type` property is used to define the style of the list item marker:

Value	Description
Disc	Sets the list item marker to a bullet (default)
circle	Sets the list item marker to a circle
square	Sets the list item marker to a square
none	The list items will not be marked

Ordered HTML List

An ordered list starts with the `` tag. Each list item starts with the `` tag.

The list items will be marked with numbers by default:

Example

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

The `type` attribute of the `` tag, defines the type of the list item marker:

Type	Description
<code>type="1"</code>	The list items will be numbered with numbers (default)
<code>type="A"</code>	The list items will be numbered with uppercase letters
<code>type="a"</code>	The list items will be numbered with lowercase letters
<code>type="I"</code>	The list items will be numbered with uppercase roman numbers
<code>type="i"</code>	The list items will be numbered with lowercase roman numbers

HTML Description Lists

A description list is a list of terms, with a description of each term.

The `<dl>` tag defines the description list, the `<dt>` tag defines the term (name), and the `<dd>` tag describes each term:

Example:

```
<dl>
  <dt>Coffee</dt>
  <dd>- black hot drink</dd>
  <dt>Milk</dt>
  <dd>- white cold drink</dd>
</dl>
```

Code:


```

<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
    <h3>HTML List: Ordered, Unordered & Definition List</h3>
    <div style="width: 100%;border:1px solid black"></div>
    <p>Following is the list of proposed student activities be like:</p>
    <ol>
        <li>Develop Programs related with unit wise topics in computer
laboratory</li>
        <li>Develop any module of to be useful in real life application</li>
        <li>Multimedia presentaion of module developed by students</li>
    </ol>
    <div style="width: 100%;border:1px solid black"></div>
    <p>List of Software Learning Websites</p>
    <ul>
        <li><p style="text-decoration: underline;">ASP Tutorial -
W3Schools</p><a
href="https://www.w3schools.com/asp">www.w3schools.com/asp</a></li>
        <li><p style="text-decoration: underline;">Classic ASP Tutorials &
Articles - Web Wiz</p><a href="https://www.webwiz.co.uk/kb">www.webwiz.co.uk
- Knowledgebase</a></li>
        <li><p style="text-decoration: underline;">HTML Tutorial -
W3Schools</p><a
href="https://www.w3schools.com/html">www.w3schools.com/html</a></li>
        <li><p style="text-decoration: underline;">CSS Tutorial</p><a
href="https://www.csstutorial.net">www.csstutorial.net</a></li>
        <li><p style="text-decoration: underline;">VBScript Tutorial - Tutorials
Point</p><a
href="https://www.tutorialspoint.com/vbscript/index.html">www.tutorialspoint.com/v
bscript/index.html</a></li>
        <li><p style="text-decoration: underline;">ADO Tutorial -
W3Schools</p><a
href="https://www.w3schools.com/ADO/default.asp">www.w3schools.com/ADO/def
ault.asp</a></li>
    </ul>
    <div style="width: 100%;border:1px solid black"></div>
    <dl>
        <dt>HTML</dt>
        <dd>Hyper Text Markup Language</dd>
        <dt>XML</dt>
        <dd>eXtensible Markup Language</dd>
    </dl>
</body></html>

```

Output:

HTML List: Ordered, Unordered & Definition List

Following is the list of proposed student activities be like:

1. Develop Programs related with unit wise topics in computer laboratory
2. Develop any module of to be useful in real life application
3. Multimedia presentaion of module developed by students

List of Software Learning Websites

- ASP Tutorial - W3Schools
www.w3schools.com/asp
- Classic ASP Tutorials & Articles - Web Wiz
www.webwiz.co.uk - Knowledgebase
- HTML Tutorial - W3Schools
www.w3schools.com/html
- CSS Tutorial
www.csstutorial.net
- VBScript Tutorial - Tutorials Point
www.tutorialspoint.com/vbscript/index.html
- ADO Tutorial - W3Schools
www.w3schools.com/ADO/default.asp

HTML

Hyper Text Markup Language

XML

eXtensible Markup Language

Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
Layout/Design	The web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.	The web site has an attractive and usable layout. It is easy to locate all important elements.	The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The web site has a cluttered look and is confusing. It is often difficult to locate important elements.
Cascading Style Sheet	Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Student fails to use a style sheet within the pages of the web site.
Navigation	Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages and take reader where he expects to go. A user does not become lost.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels lost.
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Practical:-6

Aim: Create employee registration webpage using HTML form objects

The <form> Element

The HTML <form> element defines a form that is used to collect user input:

Syntax:

```
<form>
```

```
    .  
    form elements
```

```
    .  
</form>
```

Form elements are different types of input elements, like text fields, checkboxes, radio buttons, submit buttons, and more.

The <input> Element

The most important form element is the <input> element.

The <input> element can be displayed in several ways, depending on the type attribute.

Example:

```
<input name="firstname" type="text">
```

The <select> Element:

The <select> element defines a **drop-down list**:

Example:

```
<select name="cars">  
    <option value="volvo">Volvo</option>  
    <option value="saab">Saab</option>  
    <option value="fiat">Fiat</option>  
    <option value="audi">Audi</option>  
</select>
```

The <option> elements defines an option that can be selected.

By default, the first item in the drop-down list is selected.

The <textarea> Element

The <textarea> element defines a multi-line input field (**a text area**):

Example:

```
<textarea name="message" rows="10" cols="30">  
    The cat was playing in the garden.  
</textarea>
```

The rows attribute specifies the visible number of lines in a text area.

The cols attribute specifies the visible width of a text area.

The <button> Element

The <button> element defines a clickable **button**:

Example:

```
<button type="button" onclick="alert('Hello World!')">Click Me!</button>
```

Code:

```

<!DOCTYPE html>
<html>
  <head>
    <title>Employee Registration Form</title>
    <style>
      #d1
      {
        margin-left: 30%;
        border: 1px solid black;
        width: 40%;
        height: 100%;
        /* margin-left: 100px;
        margin-right: 100px; */
      }
      #d2
      {
        margin-top: 8px;
      }
      #i1
      {
        margin-left: 100px;
      }
      #hgh1
      {
        font-size: 28px;
        margin-right: 100px;
      }
    </style>
  </head>
  <body>
    <div id=d1>

      <div id=d2 align="center">
        
      </div>

      <div>
        <p id=hgh1 align="center" style="color:red">Employee Registration Form</p>
      </div>

      <div align="center">

        <table border="1">
          <tr>

```

```

        <td>
            Saluation
        </td>
        <td>
            <input type="radio" value="Mr.">Mr.
            <input type="radio" value="Mrs.">Mrs.
            <input type="radio" value="Ms.">Ms.
            <br>
        </td>
    </tr>

    <tr>
        <td>
            First Name
        </td>
        <td>
            <input type="text" placeholder="First Name">
        </td>
    </tr>
    <tr>
        <td>
            Last Name
        </td>
        <td>
            <input type="text" placeholder="Last Name">
            <br>
        </td>
    </tr>

    <tr>
        <td>
            Address(1)
        </td>
        <td>
            <input type="text"> <br>
        </td>
    </tr>
    <tr>
        <td>
            Address(2)
        </td>
        <td>
            <input type="text">
            <br>
        </td>
    </tr>

```

```
<tr>
  <td>
    City
  </td>
  <td>
    <input type="text">
    <br>
  </td>
</tr>

<tr>
  <td>
    State/Union Territory
  </td>
  <td>
    <select>
      <option>Gujarat</option>
      <option>Maharashtra</option>
      <option>Madhya Pradesh</option>
      <option>Delhi</option>
      <option>Andhra Pradesh</option>
    </select>
    <br>
  </td>
</tr>

<tr>
  <td>
    Zip-Code
  </td>
  <td>
    <input type="text"><br>
  </td>
</tr>

<tr>
  <td>
    Upload Photo
  </td>
  <td>
    <input type="file"><br>
  </td>
</tr>

<tr>
```

```

        <td>
            E-Mail
        </td>
        <td>
            <input type="text"><br>
        </td>
    </tr>

    <tr>
        <td>
            Mobile Number
        </td>
        <td>
            <input type="number" placeholder="+91"><br>
        </td>
    </tr>

    <tr>
        <td>
            Languages Known
        </td>
        <td>
            <input type="checkbox">Gujarati<br>
            <input type="checkbox">Hindi<br>
            <input type="checkbox">English<br>
            <input type="checkbox">Marathi<br>
            <input type="checkbox">Telugu
            <br>
        </td>
    </tr>

    <tr>
        <td>
            Additional Information
        </td>
        <td>
            <input type="text" placeholder="Optional">
            <br>
        </td>
    </tr>

    <tr>
        <td colspan="2">
            <input class="c1" type="reset" value="Reset">
            <input class="c1" type="submit" value="Submit">
        </td>
    </tr>


```



```
</tr>
</table>
</div>
</div>

</body>
</html>
```

Output:



Employee Registration Form

Saluation	<input type="radio"/> Mr. <input type="radio"/> Mrs. <input type="radio"/> Ms.
First Name	<input type="text" value="First Name"/>
Last Name	<input type="text" value="Last Name"/>
Address(1)	<input type="text"/>
Address(2)	<input type="text"/>
City	<input type="text"/>
State/Union Territory	<input type="text" value="Gujarat"/>
Zip-Code	<input type="text"/>
Upload Photo	<input type="button" value="Choose File"/> No file chosen
E-Mail	<input type="text"/>
Mobile Number	<input type="text" value="+91"/>
Languages Known	<input type="checkbox"/> Gujarati <input type="checkbox"/> Hindi <input type="checkbox"/> English <input type="checkbox"/> Marathi <input type="checkbox"/> Telugu
Additional Information	<input type="text" value="Optional"/>
<input type="button" value="Reset"/> <input type="button" value="Submit"/>	

Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
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Practical:-7

Aim:Design a web page of your home town with an attractive background color, text color, an Image, font etc. (use internal CSS).

Internal CSS

An internal style sheet may be used if one single HTML page has a unique style.

Internal styles are defined within the <style> element, inside the <head> section of an HTML page

Example:

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
background-color: linen;
}
h1 {
color: maroon;
margin-left: 40px;
}
</style>
</head>
<body>
<h1>This is a heading</h1>
<p>This is a paragraph.</p>
</body>
</html>
```

Code:

```
<!DOCTYPE html>

<html>

<head>

</head>

<body style="background-color: rgb(148, 105, 177);">

    <h1 style="color: aqua; border: 3px dashed rgb(17, 202, 57); text-align:
center;">Welcome to Ahmedabad</h1>

    <br>

    <dl>

        <dt style="color: aqua; text-decoration:
underline;"><em><b>History:</b></em></dt><br>

        <dd>

            Ahmedabad is the largest city in the state of Gujarat.

            It is located in western India on the banks of the River Sabarmati.

            The city served as political as well as economical capital of the
region

            since its establishment.

            The earliest settlement can be recorded around the 12th century
under

            Chaulukya dynasty rule. The present city was founded on 26
February 1411
```

and announced as the capital on 4 March 1411 by Ahmed Shah I of Gujarat Sultanate as a new capital. Under the rule of sultanate (1411–1511)

the city prospered followed by decline (1511–1572)

when the capital was transferred to Champaner.

For next 135 years (1572–1707), the city renewed greatness under the early rulers of Mughal Empire. The city suffered due to political

instability (1707–1817) under late Mughal rulers followed by joint rule between Maratha and Mughal. The city further suffered

following joint Maratha rule. The city again progressed when

politically stabilized when British East India Company established the rule in the city (1818–1857). The city further renewed growth

when it gain political freedom by establishment of municipality and opening of railway under British crown rule (1857–1947).

Following arrival of Mahatma Gandhi in 1915, the city became centre stage of Indian independence movement.

Many activists like Sardar Patel served the municipality of the city before taking part in the movement.

After independence, the city was a part of Bombay state.

When Gujarat was carved out in 1960, it again became the capital of

the state until establishment of Gandhinagar in 1965.

Ahmedabad is also the cultural and economical centre

of Gujarat and the seventh largest city of India.

</dd>

*
*

<h1 style=" border: 3px dashed rgb(17, 202, 57); text-align: center;"><em style="color: aqua;">Attractions</h1>

<table style="border:3px solid #5ac02a; border-collapse: collapse;">

<tr style="border:3px solid #5ac02a; border-collapse: collapse;">

<td style="border:3px solid #5ac02a; border-collapse: collapse;"></td>

<td style="border:3px solid #5ac02a; border-collapse: collapse;">

<p>Sabarmati Ashram

Once the residence of Mahatma Gandhi and his wife Kasturba,

Sabarmati Ashram is the site

where Gandhiji started the famous Dandi March from.

Situated in the 5km north of Ahmedabad's centre,

it is located on the tranquil and serene stretch of Sabarmati River.

Also referred to as the 'Gandhi Ashram', 'Mahatma Gandhi Ashram' and most importantly,

'Satyagraha Ashram', it is believed that Mahatma Gandhi chose this site

for it is located between a prison and a cemetery and a Satyagrahi

is likely to end up in one of these.

In gratitude of the substantial impact Dandi march had on the

Indian independence movement, the Indian government has recognised

the Sabarmati Ashram as a national monument.

The Mahatma Gandhi Ashram has a number of other establishments within its bounds.

The most famous among them is the museum 'Gandhi Smarak Sangrahalaya'

which has some of Gandhi's personal letters and photographs on display.

</td>

</tr>

<tr style="border:3px solid #5ac02a; border-collapse: collapse;">

<td style="border:3px solid #5ac02a; border-collapse: collapse;"></td>

<td style="border:3px solid #5ac02a; border-collapse: collapse;">

<p>Sidi Saiyyed Mosque

Popularly known as Sidi Saiyyed Ni Jaali, the Sidi Saiyyed Mosque was

built in the year 1573 and is one of the most popular and beautiful mosques

located in Ahmedabad. This attraction has gained much admiration and reputation over the years, thanks to the architectural grandeur of the entire structure, and in particular, the ornate latticework, known as jali in colloquial terms. It is then no doubt that the place is a paradise for photographers and history buffs alike.

This monument is among the last few mosques that were built under the Gujarat Sultanate and was completed in the last year of their reign before the Mughals invaded Gujarat and defeated them.

The construction of this fantastic mosque is credited to Sidi Saiyyed in the retinue of Bilal Jhajar Khan, the general in the army of the last Sultan, Shams-Ud-Din Muzaffar Shah III, of the Gujarat Sultanate. The mosque is especially famous for its beautiful ten stone latticework windows, also known as Jalis, on the side and rear arches. The stone slabs are carved in the

designs of intertwined trees and foliage with a palm motif.

`</td>`

`</tr>`

`</table>`

`<h1 style=" border: 3px dashed rgb(17, 202, 57); text-align: center;"><em style="color: aqua;">Institutions of Educational importance</h1>`

`<table style="border:3px solid #5ac02a; border-collapse: collapse;">`

`<tr style="border:3px solid #5ac02a; border-collapse: collapse;">`

`<td style="border:3px solid #5ac02a; border-collapse: collapse;"></td>`

`<td style="border:3px solid #5ac02a; border-collapse: collapse;">`

`<p>LDCE`

Lalbhai Dalpatbhai College of Engineering endearingly known as L.D.C.E

is Ahmedabad's premier engineering college situated at city's heart

surrounded by elite organization Like PRL, ATIRA, ISRO, IIM and CEPT.

Started in 1948 with an aim of imparting quality higher education in

various fields of engineering, it has seen unprecedented growth.

It is affiliated with Gujarat Technological University & administrated

by Department of Technical Education, Government
of Gujarat.

</td>

</tr>


</table>

</body>


</html>

Output:






Sabarmati Ashram Once the residence of Mahatma Gandhi and his wife Kasturba, Sabarmati Ashram is the site where Gandhiji started the famous Dandi March from. Situated in the Nam north of Ahmedabad's centre, it is located on the tranquil and serene stretch of Sabarmati River. Also referred to as the 'Gandhi Ashram', 'Mahatma Gandhi Ashram' and most importantly, 'Satyagraha Ashram', it is believed that Mahatma Gandhi chose this site for it is located between a prison and a cemetery and a Satyagrahi is likely to end up in one of these. In gratitude of the substantial impact Dandi march had on the Indian independence movement, the Indian government has recognised the Sabarmati Ashram as a national monument. The Mahatma Gandhi Ashram has a number of other establishments within its bounds. The most famous among them is the museum 'Gandhi Smarak Sangrahalaya' which has some of Gandhi's personal letters and photographs on display.



Sidi Saiyyed Mosque Popularly known as Sidi Saiyyed Ni Jaali, the Sidi Saiyyed Mosque was built in the year 1573 and is one of the most popular and beautiful mosques located in Ahmedabad. This attraction has gained much admiration and reputation over the years, thanks to the architectural grandeur of the entire structure, and in particular, the ornate latticework, known as jali in colloquial terms. It is then no doubt that the place is a paradise for photographers and history buffs alike. This monument is among the last few mosques that were built under the Gujarat Sultanate and was completed in the last year of their reign before the Mughals invaded Gujarat and defeated them. The construction of this historic mosque is credited to Sidi Saiyyed in the regime of Bilal Begar Khan, the general in the army of the last Sultan, Shams-Ud-Din Muzaffar Shah III, of the Gujarat Sultanate. The mosque is especially famous for its beautiful ten stone latticework windows, also known as jalis, on the side and rear arches. The stone slabs are carved in the design of interwoven trees and foliage with a palm motif.

Institutions of Educational importance



LDCE Lalbhai Dalpatbhai College of Engineering exclusively known as L.D.C.E is Ahmedabad's premier engineering college situated at city's heart surrounded by elite organizations Like PRL, AT&T, ISRO, IIM and CEPT. Started in 1948 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with Gujarat Technological University & administered by Department of Technical Education, Government of Gujarat.

Type here to search

9:17 PM 11-Apr-20

Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
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Cascading Style Sheet	Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Student fails to use a style sheet within the pages of the web site.
Navigation	Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages and take reader where he expects to go. A user does not become lost.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels lost.
Graphics	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding.	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding.	Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.	Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.

Practical-8

Aim: Create your resume and use Inline CSS to format it.

Inline CSS:

An inline style may be used to apply a unique style for a single element.

Inline styles are defined within the "style" attribute of the relevant element.

Example:

```
<!DOCTYPE html>
<html>
<body>
<h1 style="color:blue;text-align:center;">This is a heading</h1>
<p style="color:red;">This is a paragraph.</p>
</body>
</html>
```

Code:

```

<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body style="color: #086d99">
    <h2>Krushnarajsinh Rathod</h2>
    <div style="border:2px solid #086d99; width: 100%; "></div>
    <h4>Student | Advance Java | WebDeveloper | Linux | C++ | Computer
Networks | Operating Systems | Data Structures</h4>
    <p><b>Email:</b><a
href="mailto:rathodkrushnaraj8055@gmail.com">rathodkrushnaraj8055@gmai
l.com</a></p>
    <em style="color: grey;">Undergrauate student pursuing bachelors in
Information Technology. Effective Technical Support knowledge. Proficient in
Data Structures and Operating Systems, Well acquainted with programming
languages like JAVA and C++.Sound knowledge about concepts of DBMS,
Computer Networks and Computer Architecture.</em>
<br>
<h3>Experience</h3>
<div style="border:2px solid #086d99; width: 100%; "></div>
<p><b style="font-size: 20px">Wiztute</b> <b style="float: right; font-size:
14px">Feb 2019 to Jun 2019</b></p>
<b style="font-size: 17px;color: #0097d9">Operations Intern</b><br>
<p style="margin-top: 10px;color: grey;">Wiztute is an online platform for
learning various languages in a very simplified manner. It consists of several
online tutors versed
in different languages with whom the users can have one to one interaction and
learn their desired language with ease.</p>

<p><b style="font-size: 20px">E-Cell, IIT Bombay</b> <b style="float: right;
font-size: 14px">Jul 2018 to Feb 2019</b></p>
<b style="font-size: 17px;color: #0097d9">Student Ambassador</b><br>
<p style="margin-top: 10px;color: grey;">As a Campus ambassador, my
responsibilities included creating entrepreneurship environment in my college
campus and raising
awareness about the same. I was also responsible to raise the startup culture in
my college campus.</p>

```

<p><b style="font-size: 20px">Internshala <b style="float: right; font-size: 14px">Mar 2018 to May 2018</p>
 <b style="font-size: 17px; color: #0097d9">Internshala Student Partner 9.0

 <h3>Education</h3>
 <div style="border:2px solid #086d99; width: 100%; "></div>
 <p><b style="font-size: 20px">L.D.COLLEGE OF ENGINEERING, AHMEDABAD 028 <b style="float: right; font-size: 14px">2017 to 2021</p>
 <b style="font-size: 17px; color: #0097d9">Bachelor of Engineering

 <h3>Skills</h3>
 <div style="border:2px solid #086d99; width: 100%; "></div>
 <h4 style="color: grey;">Data Structures, Database Management Systems, Computer Networking, Data Entry, C, Microsoft Office, HTML, CSS, Javascript, Operating Systems, Batch Programming, Leadership, Presentation Skills, C++, Computer Architecture</h4>

 <h3>Languages</h3>
 <div style="border:2px solid #086d99; width: 100%; "></div>
 <p><b style="font-size: 20px">English (Professional Working Proficiency)</p>

 <h3>Certifications</h3>
 <div style="border:2px solid #086d99; width: 100%; "></div>
 <p><b style="font-size: 20px">Programming Fundamentals <b style="float: right; font-size: 14px">Jul 2018</p>
 <b style="font-size: 17px; color: #0097d9">Coursera

 <p><b style="font-size: 20px">Internshala Student Partner <b style="float: right; font-size: 14px">May 2018</p>
 <b style="font-size: 17px; color: #0097d9">Internshala

 <p><b style="font-size: 20px">Campus Representative <b style="float: right; font-size: 14px">Jun 2018</p>
 <b style="font-size: 17px; color: #0097d9">E-Cell, IIT Bombay

 <p><b style="font-size: 20px">Digital Marketing <b style="float: right; font-size: 14px">May 2019</p>
 <b style="font-size: 17px; color: #0097d9">Wiztute

 <p><b style="font-size: 20px">Technical Support Fundamentals <b style="float: right; font-size: 14px"> Oct 2019</p>
 <b style="font-size: 17px; color: #0097d9">Coursera

 </body></html>

Output:

← → ↻ File | C:/Users/Krushnarajsinh/Desktop/myprofile.html 🔍 ☆ 📺 R ⋮

📱 Apps 📧 Gmail 📺 YouTube 🗺️ Maps 📰 News 🗣️ Translate 🌐 localhost:8081/Hac... 🌐 localhost:8081/Serv...

Krushnarajsinh Rathod

Student | Advance Java | WebDeveloper | Linux | C++ | Computer Networks | Operating Systems | Data Structures

Email rathodkrishna9365@gmail.com

Undergraduate student pursuing bachelors in Information Technology. Effective Technical Support knowledge. Proficient in Data Structures and Operating Systems. Well acquainted with programming languages like JAVA and C++. Sound knowledge about concepts of DBMS, Computer Networks and Computer Architecture.

Experience

Wiztute Feb 2019 to Jun 2019

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Wiztute is an online platform for learning various languages in a very simplified manner. It consists of several online tutors versed in different languages with whom the users can have one to one interaction and learn their desired language with ease.

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As a Campus ambassador, my responsibilities included creating entrepreneurship environment in my college campus and raising awareness about the same. I was also responsible to raise the startup culture in my college campus.

Internshala Mar 2018 to May 2018

Internshala Student Partner 9.0

Education

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Languages

English (Professional Working Proficiency)

Certifications

Programming Fundamentals Jul 2018

Coursera

Internshala Student Partner May 2018

Internshala

Campus Representative Jun 2018

E-Cell, IIT Bombay

Digital Marketing May 2019

Wiztute

Technical Support Fundamentals Oct 2019

Coursera

Windows Taskbar: Type here to search | [Icons: Edge, File Explorer, Mail, Store, Notepad, Chrome, VS Code, PDF Reader, Word, PowerPoint, Excel, OneDrive] | [System Tray: Network, Volume, Battery, Time: 23:00, Date: 11-04-2020]

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Practical-9

Aim: Use External CSS to format your class timetable as you created in practical no 03.

External CSS

With an external style sheet, you can change the look of an entire website by changing just one file!

Each HTML page must include a reference to the external style sheet file inside the <link> element, inside the head section.

Example:

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" type="text/css" href="mystyle.css">
</head>
<body>
<h1>This is a heading</h1>
<p>This is a paragraph.</p>
</body>
</html>
```

An external style sheet can be written in any text editor, and must be saved with a .css extension.

The external .css file should not contain any HTML tags.

Example: Here is how the "mystyle.css" file looks like:

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

h1 {
    color: navy;
    margin-left: 20px;
}
```

Expected Output:

Time	Monday	Tuesday	Wednesday	Thrusday	Friday	Saturday
10:00 - 11:00	Applied Mathematics	Computer Networks	Information Theory and Coding	Computer Organization and Architecture	Automata Theory	Web Programming
11:00 - 12:00	Information Theory and Coding	Web Programming	Computer Networks	Computer Networks	Automata Theory	Applied Mathematics
12:00 - 01:00	Applied Mathematics	Information Theory and Coding	Automata Theory	Computer Networks	Web Programming	Computer Networks
01:00 - 02:00	Applied Mathematics	Computer Organization and Architecture	Automata Theory	Web Programming	Information Theory and Coding	Computer Networks
02:00 - 03:00	Applied Mathematics	Web Programming	Automata Theory	Computer Organization and Architecture	Information Theory and Coding	Computer Networks

Code:

(HTML file):

```
<html>

<head>

<title></title>

<link rel="stylesheet" type="text/css" href="9.css">

</head><body>

<center>

<table class="table1" border="1" height="460px" width="1050px">

    <tr height="20px">

<td width="150px">TIME</td>

<td width="150px">10:45</td>

<td width="150px">11:45</td>

<td width="150px">1:15</td>

<td width="150px">2:15</td>

<td width="150px">3:30</td>

<td width="150px">4:30</td>

</tr>

<tr height="20px">

<td>DAY</td>

<td>11:45</td>

<td>12:45</td>

<td>2:15</td>

<td>3:15</td>

<td>4:30</td>
```

<td>5:30</td>

</tr>

<tr height="70px">

<td>MON
</td>

<td>DCDR
 PRP</td>

<td>DE I
 ACP</td>

<td colspan="2">

<table class="table2" width="100%" height="100%" >

<tr>

<td>

DCDR-A1-PRP(Lab_3)

</td>

</tr>

<tr>

<td>

DCDR-A2-ME_Vrunda(lab_3)

</td>

</tr>

<tr>

<td>

DCDR-A1-PRP(Lab_3)

</td>

</tr>

<tr>

<td>

DCDR-A4-ME_Umang(lab_6)

</td>

</tr>

</table>

</td>

<td>SE
JBC</td>

<td>--</td>

</tr>

<tr height="70px">

<td>TUES
</td>

<td>AJ
 BBP</td>

<td>AJ
 BBP</td>

<td colspan="2">

<table class="table2" width="100%" height="100%">

<tr>

<td>

SE-A1-MBP(Lab_1)

</td>

</tr>

<tr>

<td>

SE-A2-NPD(Lab_2)

</td>

</tr>

<tr>

<td>

SE-A3-ME_Vrustik(Lab_6)

</td>

</tr>

<tr>

<td>

AJ-A4-SAS(Lab_5)

</td>

</tr>

</table>

</td>

<td>DE I
ACP</td>

<td>SE
JBC</td>

</tr>

<tr height="70px">

<td>WED</td>

<td>AJ
BBP</td>

<td>AJ
BBP</td>

<td colspan="2">

<table class="table2" width="100%" height="100%">

<tr>

<td>

AJ-A1-BBP(Lab_5)

</td>

</tr>

<tr>

<td>

AJ-A2-JTP(Lab_2)

</td>

</tr>

<tr>

<td>

AJ-A3-ME_Vaibhavi(Lab_1)

</td>

</tr>

<tr>

<td>

DCDR-A4-PRP(Lab_6)

</td>

</tr>

</table>

</td>

<td>WT
AJP</td>

<td>DCDR
PRP</td>

</tr>

<tr height="70px">

<td>THURS
</td>

<td>SE
 JBC</td>

<td>AJ
 BBP</td>

<td colspan="2">


```
<table class="table2" width="100%" height="100%">
```

```
<tr>
```

```
<td>
```

```
DE I-A1-ACP(Lab_5)
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
DCDR-A3-PRP(Lab_6)
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
SE-A4-JBC(Lab_2)
```

```
</td>
```

```
</tr>
```

```
</table>
```

```
</td>
```

```
<td>DE I <br>ACP</td>
```

```
<td>WT <br>AJP</td>
```

```
</tr>
```

```
<tr height="70px">
<td>FRI<br></td>
<td>--</td>
<td>WT <br>AJP</td>
<td colspan="2">
<table class="table2" width="100%" height="100%">
<tr>
<td>
WT-A1-MNP(Lab_3)
</td>
</tr>
<tr>
<td>
WT-A2-AJP(Lab_3)
</td>
</tr>
<tr>
<td>
WT-A3-PNR(Lab_4)
</td>
</tr>
<tr>
<td>
WT-A4-SJP(Lab_4)
</td>
```

```
</tr>
```

```
</table>
```

```
</td>
```

```
<td>DE I <br>ACP</td>
```

```
<td>SE <br>JBC</td>
```

```
</tr>
```

```
<tr height="70px">
```

```
<td>SAT<br></td>
```

```
<td colspan="6">
```

```
<table class="table2" width="100%" height="100%">
```

```
<tr>
```

```
<td>
```

```
DE 2B-A1-BBP(Lab_4)
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
DE 2B-A2-PNR(Lab_4)
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
DE 2B-A3-SAS(Lab_5)
```

```
</td>
```

```
</tr>
```

<tr>

<td>

DE 2B-A4-JTP(Lab_5)

</td>

</tr>

</table>

</td>

</tr>

</table>

</center>

</body>

</html>

(CSS file):

```
table.table1 , table.table1 td {
```

```
text-align:center;
```

```
border: 1px solid black;
```

```
border-collapse: collapse;
```

```
}
```

```
table {
```

```
border-size:2px;
```

```
}
```

```
table.table2{
```

```
border:none;
```

```
border-collapse: collapse;
```

```
margin: 0 auto;}
```

Output:

TIME	10:45	11:45	1:15	2:15	3:30	4:30
DAY	11:45	12:45	2:15	3:15	4:30	5:30
MON	DCDR PRP	DE I ACP	DCDR-A1-PRP(Lab_3)		SE JBC	--
			DCDR-A2-ME_Vrunda(lab_3)			
			DCDR-A1-PRP(Lab_3)			
			DCDR-A4-ME_Umang(lab_6)			
TUES	AJ BBP	AJ BBP	SE-A1-MBP(Lab_1)		DE I ACP	SE JBC
			SE-A2-NPD(Lab_2)			
			SE-A3-ME_Vrustik(Lab_6)			
			AJ-A4-SAS(Lab_5)			
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			AJ-A3-ME_Vaibhavi(Lab_1)			
			DCDR-A4-PRP(Lab_6)			
THURS	SE JBC	AJ BBP	DE I-A1-ACP(Lab_5)		DE I ACP	WT AJP
			DCDR-A3-PRP(Lab_6)			
			SE-A4-JBC(Lab_2)			
FRI	--	WT AJP	WT-A1-MNP(Lab_3)		DE I ACP	SE JBC
			WT-A2-AJP(Lab_3)			
			WT-A3-PNR(Lab_4)			
			WT-A4-SJP(Lab_4)			
SAT			DE 2B-A1-BBP(Lab_4)			
			DE 2B-A2-PNR(Lab_4)			
			DE 2B-A3-SAS(Lab_5)			
			DE 2B-A4-JTP(Lab_5)			

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Practical-10

Aim: Develop simple calculator for addition, subtraction, multiplication and division operation using JavaScript.

JavaScript is the programming language of HTML and the Web. **JavaScript** used to program the behavior of web pages.

what JavaScript can do

- JavaScript Can Change HTML Content
- JavaScript Can Change HTML Attribute Values
- JavaScript Can Change HTML Styles (CSS)
- JavaScript Can Hide HTML Elements
- JavaScript Can Show HTML Elements

In HTML, JavaScript code must be inserted between `<script>` and `</script>` tags.

Example:

```
<script>
document.getElementById("demo").innerHTML = "My First JavaScript";
</script>
```

You can place any number of scripts in an HTML document.

Scripts can be placed in the `<body>`, or in the `<head>` section of an HTML page, or in both.

Scripts can also be placed in external files:

External scripts are practical when the same code is used in many different web pages.

JavaScript files have the file extension **.js**.

To use an external script, put the name of the script file in the `src` (source) attribute of a `<script>` tag:

JavaScript can "display" data in different ways:

- Writing into an HTML element, using `innerHTML`.
- Writing into the HTML output using `document.write()`.
- Writing into an alert box, using `window.alert()`.
- Writing into the browser console, using `console.log()`.

JavaScript Programs

A computer program is a list of "instructions" to be "executed" by a computer.

In a programming language, these programming instructions are called statements.

A JavaScript program is a list of programming **statements**.

JavaScript Statements

JavaScript statements are composed of:

Values, Operators, Expressions, Keywords, and Comments.

JavaScript syntax is the set of rules, how JavaScript programs are constructed:

```
var x, y, z;    // How to declare variables
x = 5; y = 6;   // How to assign values
z = x + y;      // How to compute values
```

JavaScript Arithmetic Operators

Arithmetic operators perform arithmetic on numbers (literals or variables).

Operator	Description
+	Addition
-	Subtraction
*	Multiplication
**	Exponentiation (ES2016)
/	Division
%	Modulus (Remainder)
++	Increment
--	Decrement



Code:

```
<html>
<head>
  <style>
    button.op_button{background-color:green; color:white; padding:10px;
padding-left:14px; padding-right:14px; border:1px solid green; border-radius:10px;}
    button.op_button{font-weight:bold; font-size:95%;}
    .buttons_list{text-align:center;}
    @media screen and (max-width:749px){button.op_button{font-
size:100%;}}
    h2{text-align:center;}
    #res{border:2px solid green;border-radius:2px;padding:8px;padding-
left:16px;padding-right:16px;}
    .calculator_content_box{border:1px solid black;border-
radius:5px;padding:10px;}
    .calculator_content_box{width:235px;margin-left:auto;margin-
right:auto;}
    .num1{margin-right:90px;}
    .input1{margin-right:80px;}
    .middle{text-align:center;padding-right:10px;}
  </style>
</head>
<body>
<div class="calculator_box">
  <div class="calculator_content_box">
    <h2>Simple Calculator</h2><hr/>
```



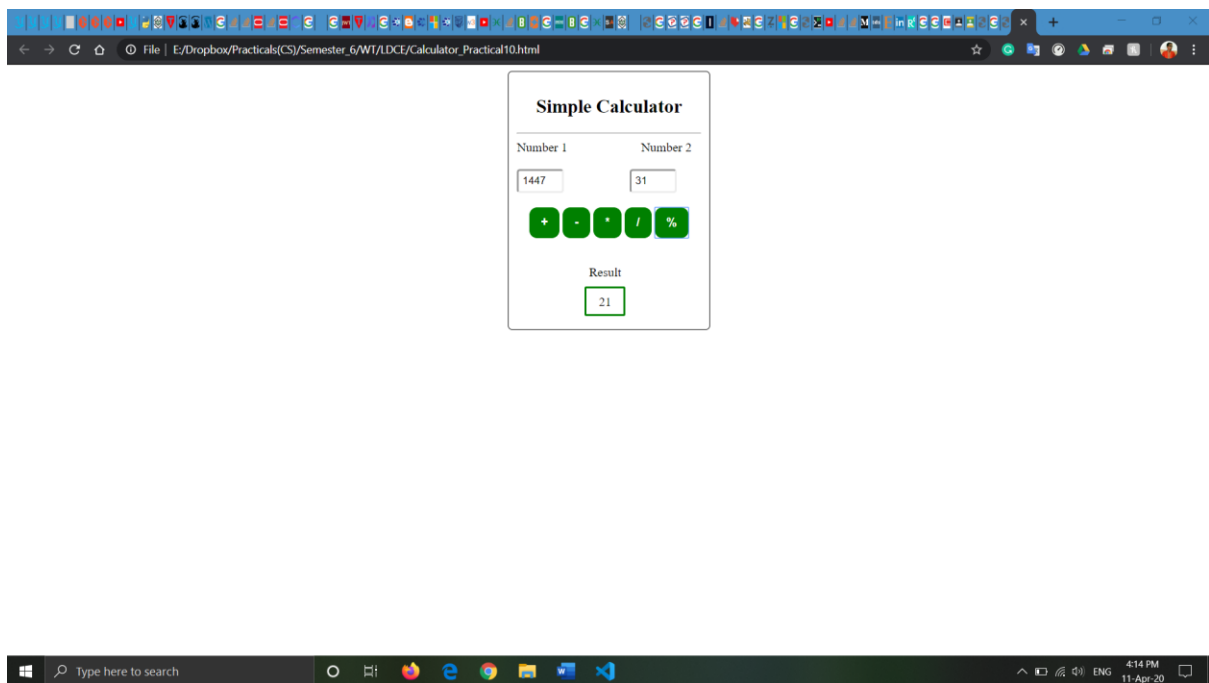
```

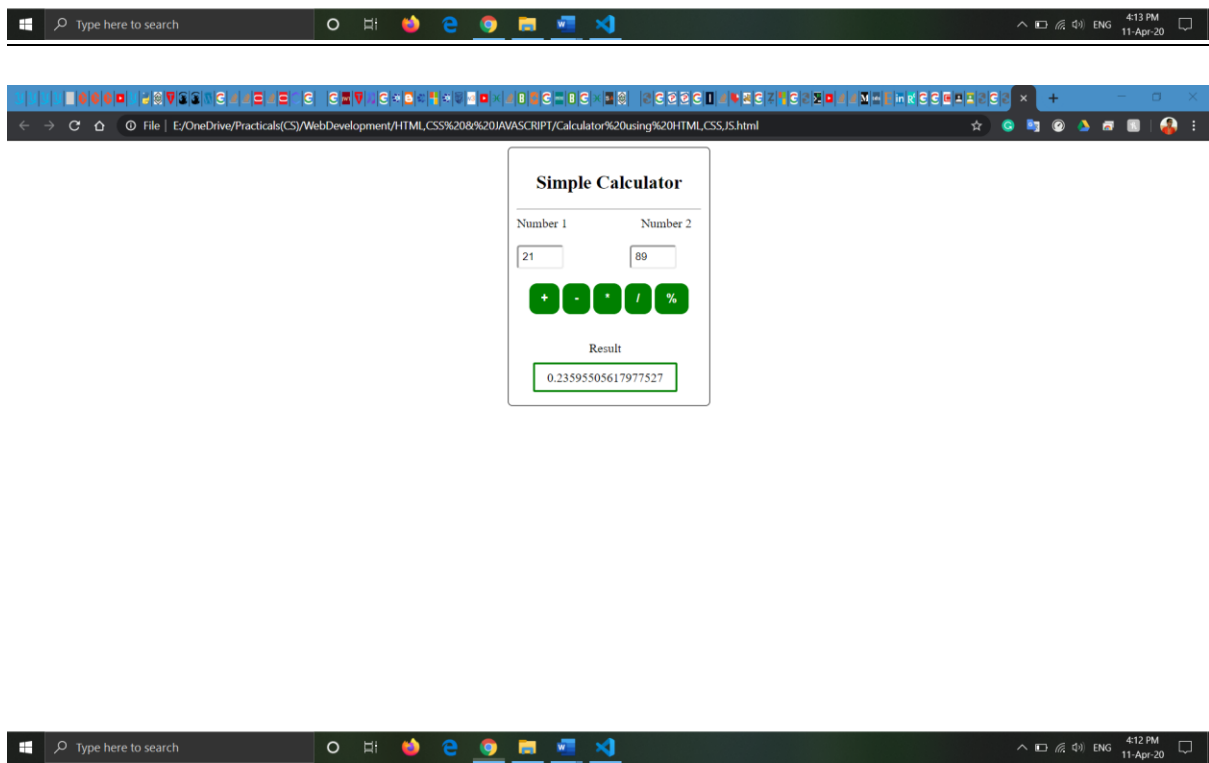
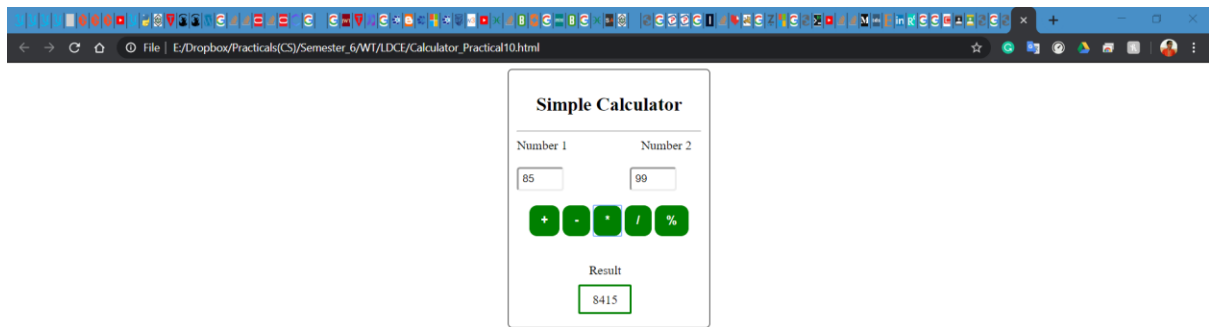
    <span class="num1">Number 1</span> <span class="num2">Number
2</span><br/><br/>
    <span class="input1"><input type="tel" name="num1" id="num1"
style="padding:5px;width:60px;border-radius:4px;" /></span>
    <span class="input2"><input type="tel" name="num2" id="num2"
style="padding:5px;width:60px;border-radius:4px;" /></span><br/><br/>
    <div class="buttons_list">
    <button class="op_button" onclick="addFun()">+</button>
    <button class="op_button" onclick="subFun()">-</button>
    <button class="op_button" onclick="mulFun()">*</button>
    <button class="op_button" onclick="divFun()">/</button>
    <button class="op_button" onclick="modFun()">%</button>
    </div><br/>
    <p class="middle"><span class="restext">Result</span><br/><br/>
    <span id="res"></span></p>
    </div>
</div>
<script>
function addFun()
{
    var a = document.getElementById("num1").value;
    var b = document.getElementById("num2").value;
    var r = +a + +b;
    document.getElementById("res").innerHTML = r;
}
function subFun()
{
    var a = document.getElementById("num1").value;
    var b = document.getElementById("num2").value;
    var r = +a - +b;
    document.getElementById("res").innerHTML = r;
}
function mulFun()
{
    var a = document.getElementById("num1").value;
    var b = document.getElementById("num2").value;
    var r = +a * +b;
    document.getElementById("res").innerHTML = r;
}
function divFun()
{
    var a = document.getElementById("num1").value;
    var b = document.getElementById("num2").value;
    var r = +a / +b;
    document.getElementById("res").innerHTML = r;
}

```

```
function modFun()
{
    var a = document.getElementById("num1").value;
    var b = document.getElementById("num2").value;
    var r = +a % +b;
    document.getElementById("res").innerHTML = r;
}
</script>
</body>
</html>
```

Output:





Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
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Navigation	Links for navigation are clearly labeled, consistently placed, allow the reader to easily move from a page to related pages	Student uses a style sheet, however there is some inconsistencies in relation to the styles	Links for navigation take the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels lost.

	and take reader on each page in the where he expects to web site. go. A user does not become lost.			
Graphics	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding.	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding.	Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.	Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.

Practical-11

Aim: Write a program to Show use of alert, confirm and prompt box.

Alert():

The alert() method displays an alert box with a specified message and an OK button.

An alert box is often used if you want to make sure information comes through to the user.

Syntax: alert(message)

Example: Display an alert box:

```
alert("Hello! I am an alert box!!");
```

Confirm():

The confirm() method displays a dialog box with a specified message, along with an OK and a Cancel button.

A confirm box is often used if you want the user to verify or accept something.

Note: The confirm box takes the focus away from the current window, and forces the browser to read the message. Do not overuse this method, as it prevents the user from accessing other parts of the page until the box is closed.

The confirm() method returns true if the user clicked "OK", and false otherwise.

Syntax: confirm(message)

Example: Display a confirmation box:

```
confirm("Press a button!");
```

prompt():

The prompt() method displays a dialog box that prompts the visitor for input.

A prompt box is often used if you want the user to input a value before entering a page.

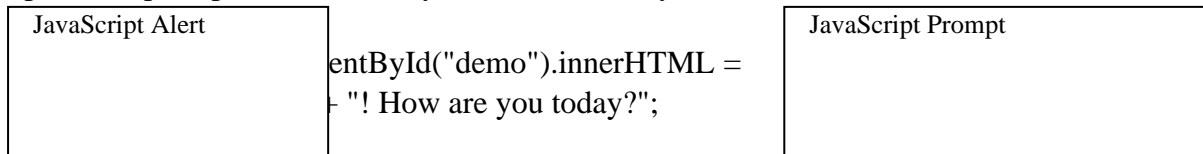
Note: When a prompt box pops up, the user will have to click either "OK" or "Cancel" to proceed after entering an input value. Do not overuse this method, as it prevents the user from accessing other parts of the page until the box is closed.

The prompt() method returns the input value if the user clicks "OK". If the user clicks "cancel" the method returns null.

Syntax:prompt(text, defaultText)

Example:Display a prompt box which ask the user for her/his name, and output a message:

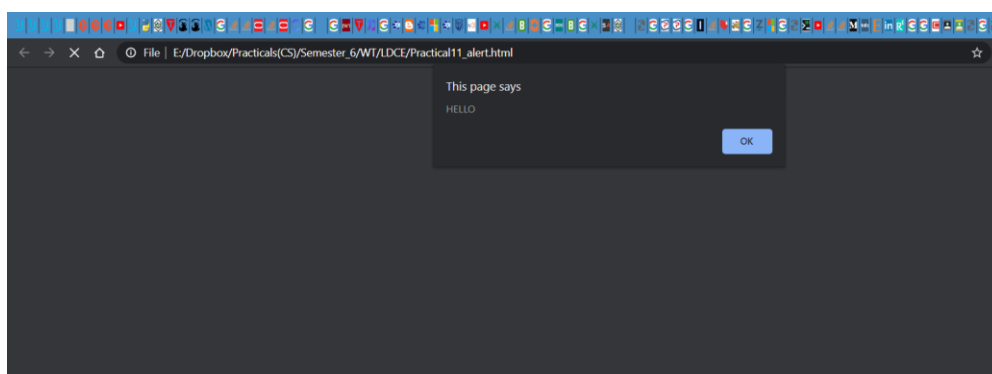
```
var person = prompt("Please enter your name", "Harry Potter");
```

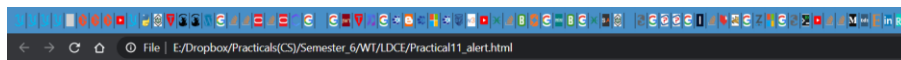


Code:

```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
    <script>
      alert("HELLO");
    </script>
    <h1>Welcome to the Web Browser</h1>
  </body>
</html>
```

OUTPUT:





Welcome to the Web Browser

(2) Confirm Box

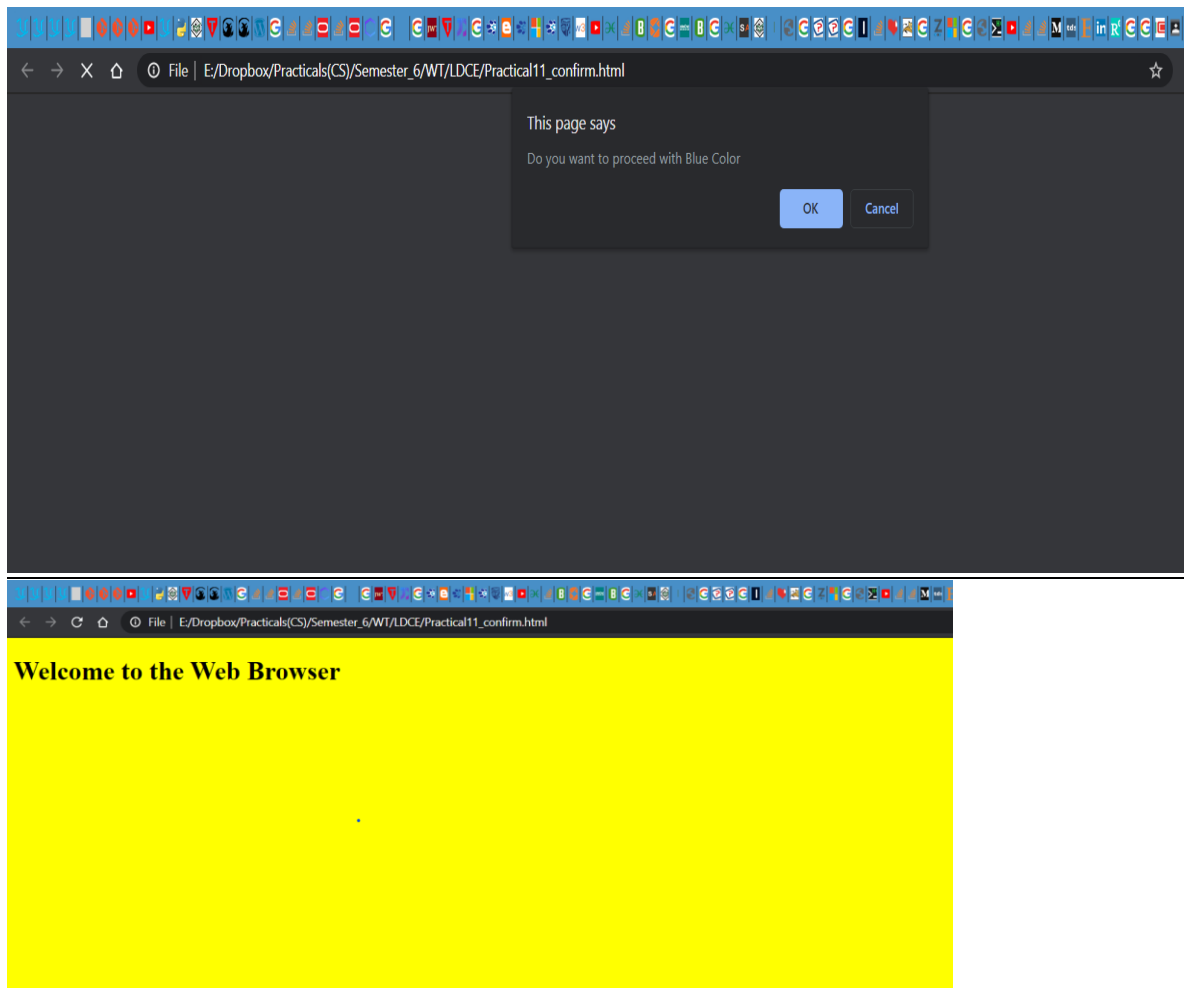
When a confirm box pops up, the user will have to click either "OK" or "CANCEL" to proceed

If the User clicks "OK", the box returns true, If the user clicks "CANCEL" the box returns false.

Code:

```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
    <script>
      var x = confirm("Do you want to proceed with Blue Color");
      //confirm function return TRUE or FALSE
      if(x)
      {
        document.getElementsByTagName("body")[0].style.backgroundColor="yellow";
      }
      // else
      // {
      //   ///default color;
      // }
    </script>
    <h1>Welcome to the Web Browser</h1>
  </body>
</html>
```

Output:



(3) Prompt Box

A Prompt box is often used if you want the user to input a value before entering a page

When a Prompt box pops up, the user will have to click either "OK" or "CANCEL" to proceed after entering an input value

If the User clicks "OK" the box returns the Input value

If the user clicks "CANCEL" the box returns null

`prompt("message", "default value");`

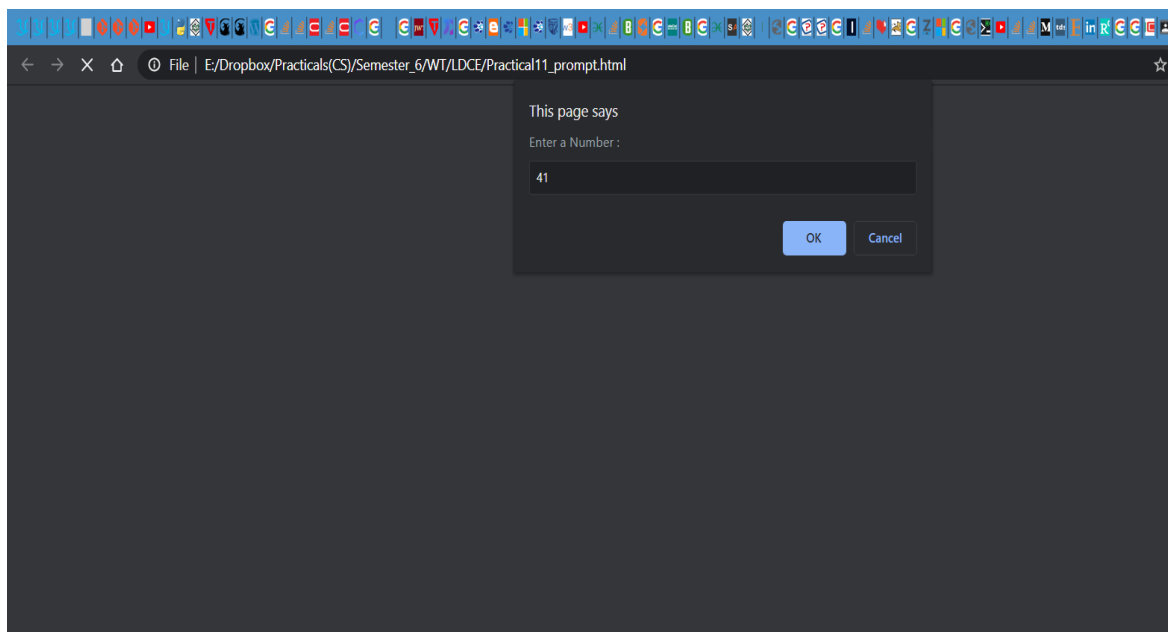
Code:

```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
  <script>
    var x=prompt("Enter a Number : ", "5");
```



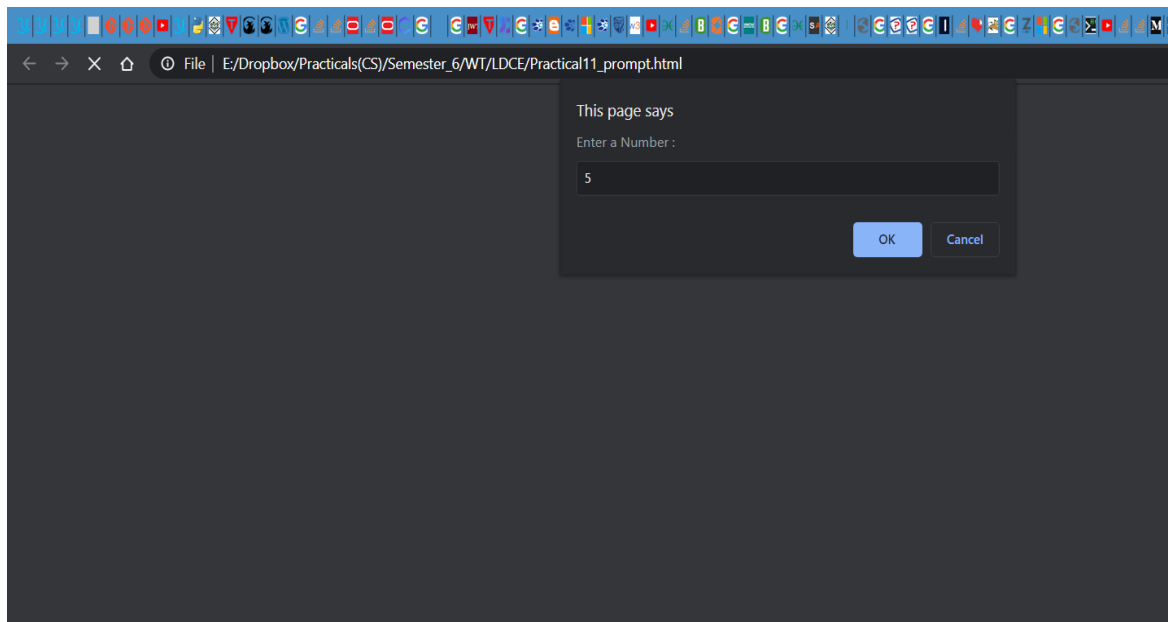
```
if(x!=null)
{
    for(i=1;i<=10;i++)
    {
        document.write("<br/>" + x + "*" + i + "=" + (x*i));
    }
} //If i don't write the else statement and
//In Browser i click on cancel then, nothing will be displayed.
else
{
    for(i=1;i<=10;i++)
    {
        document.write("<br/>" + "5*" + i + "=" + (5*i));
    }
}
</script>
</body>
</html>
```

Output:





41*1=41
41*2=82
41*3=123
41*4=164
41*5=205
41*6=246
41*7=287
41*8=328
41*9=369
41*10=410





5*1=5
 5*2=10
 5*3=15
 5*4=20
 5*5=25
 5*6=30
 5*7=35
 5*8=40
 5*9=45
 5*10=50

Rubric:

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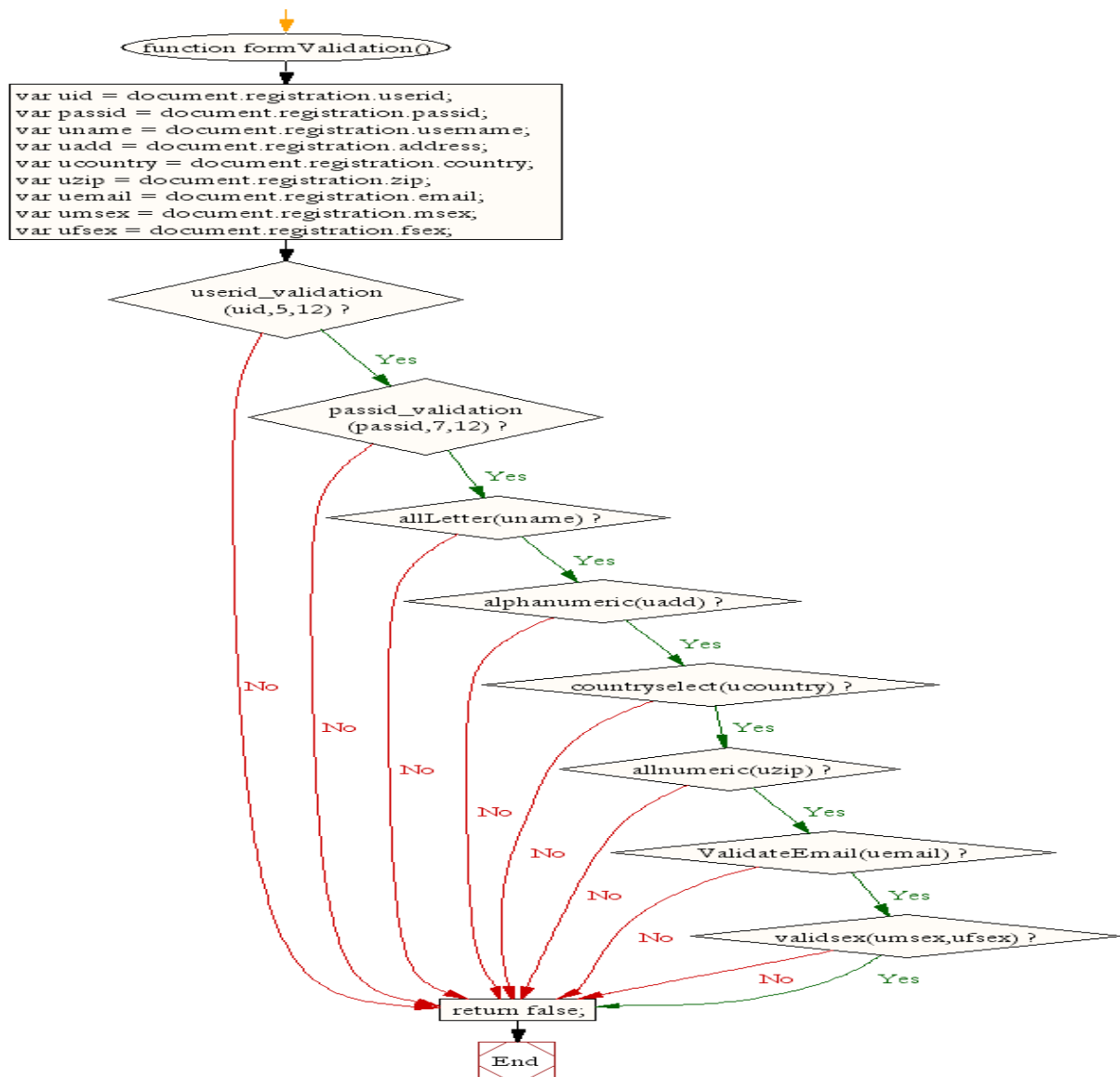
Cascading Style Sheet	Student uses a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Student uses a style sheet, however there is some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Student fails to use a style sheet within the pages of the web site.
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Practical-12

Aim: Create HTML Page that contains form with fields Name, Email, MobileNo, Gender, Favorite Color and a button now write a javascript code to combine and display the information in textbox when the button is clicked. Validate the page using regular expression.

First, create a form using HTML <form>.

For validating information:



Expected Output:

Registration Form

User id:	<input type="text"/>	Required and must be of length 5 to 12.
Password:	<input type="password"/>	Required and must be of length 7 to 12.
Name:	<input type="text"/>	Required and alphabates only.
Address:	<input type="text"/>	Optional.
Country:	<input type="text" value="(Please select a country)"/>	Required. Must select a country.
ZIP Code:	<input type="text"/>	Required. Must be numeric only.
Email:	<input type="text"/>	Required. Must be a valid email.
Sex:	<input type="radio"/> Male <input type="radio"/> Female	Required.
Language:	<input checked="" type="checkbox"/> English <input type="checkbox"/> Non English	Required.
About:	<div><div>Optional.</div></div>	
<input type="button" value="Submit"/>		

After clicking on the submit button. If valid information submitted by the user then the user should be redirected on the new page else display an alert message.

Code:

Practical12.html:

```

<!DOCTYPE html>
<html>
<head>
    <title></title>
    <script type="text/javascript" src="validatetheinformation.js"></script>
</head>
<body>
<form name="regform" onsubmit="validator()" method="POST">
    <label>Name</label>
    <input type="text" name="name" required="required"><br>
    <label>Email</label>
    <input type="email" name="mail" required="required"><br>
    <label>Contact</label>
    <input type="text" name="contact" required="required"><br>
    <label>Gender</label><br>
    <input type="radio" name="gender" value="male" checked="checked">
    <label>Male</label>
    <input type="radio" name="gender" value="female">
    <label>Female</label><br>
    <label>Favourite Color</label>
    <input type="text" name="fcolor" required="required"><br>
    <input type="submit" name="submit" value="Submit">
</form>
</body>
</html>

```

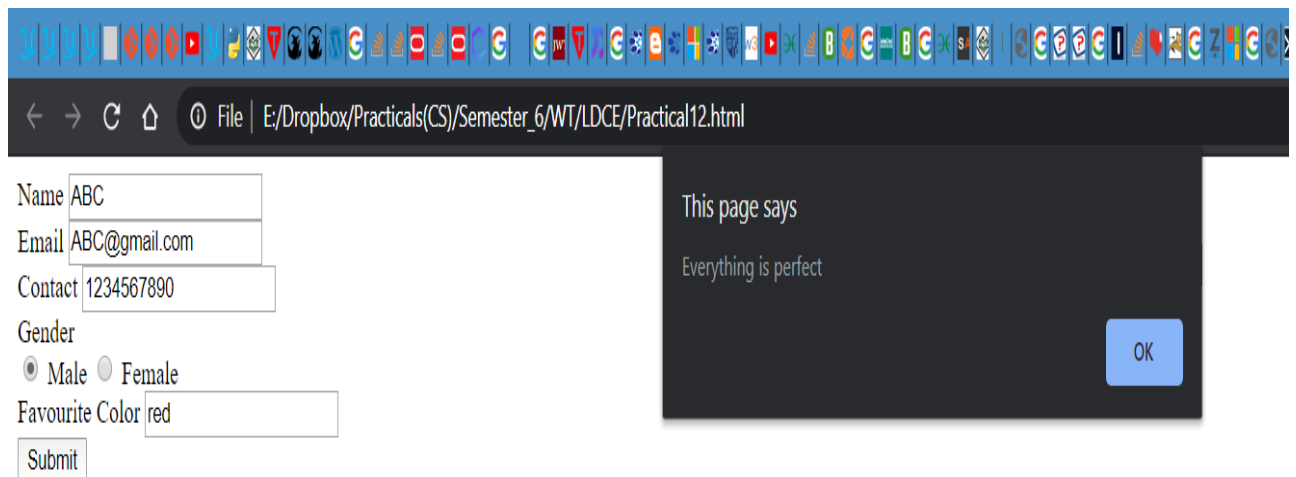
validatetheinformation.js:

```

function validator()
{
    var email=document.forms['regform']['mail'].value;
    var contact=document.forms['regform']['contact'].value;
    var emailregex=/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;
    var contactregex=/^\d{10}$/;
    var mailresult=emailregex.test(email);
    var contactresult=contactregex.test(contact);
    if(mailresult && contactresult)
    {
        alert("Everything is perfect");
    }else
    {
        alert("Something's wrong dude. MailValidation: "+mailresult+"
ContactValidation: "+contactresult);
    }
}

```

Output:



Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
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Practical-13

Aim: Create XML file to store student information like Enrollment Number, Name, Mobile Number, Email Id. also create DTD file and XML schema.

XML:

XML stands for eXtensibleMarkup Language
 XML is a markup language much like HTML
 XML was designed to store and transport data
 XML was designed to be self-descriptive
 XML is a software- and hardware-independent tool for storing and transporting data.
 XML documents are formed as **element trees**.
 An XML tree starts at a **root element** and branches from the root to **child elements**.
 All elements can have sub elements (child elements):

For Example:

```
<root>
  <child>
    <subchild>.....</subchild>
  </child>
</root>
```

The terms parent, child, and sibling are used to describe the relationships between elements. Parents have children. Children have parents. Siblings are children on the same level (brothers and sisters).

What is an XML Element?

An XML element is everything from (including) the element's start tag to (including) the element's end tag.

Example: `<price>29.99</price>`

An element can contain:

- text
- attributes
- other elements
- or a mix of the above

XML elements can have attributes, just like HTML.

Attributes are designed to contain data related to a specific element.

XML Attributes Must be Quoted

Attribute values must always be quoted. Either single or double quotes can be used.

Example: For a person's gender, the `<person>` element can be written like this:

```
<person gender="female">
```

Example of XML file:

```
<note>
  <to>Tove</to>
  <from>Jani</from>
  <heading>Reminder</heading>
  <body>Don't forget me this weekend!</body>
</note>
```

XML Schema:

An XML Schema describes the structure of an XML document, just like a DTD.

An XML document with correct syntax is called "Well Formed".

An XML document validated against an XML Schema is both "Well Formed" and "Valid".

Example:

```

<xs:element name="note">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="to" type="xs:string"/>
      <xs:element name="from" type="xs:string"/>
      <xs:element name="heading" type="xs:string"/>
      <xs:element name="body" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

The Schema above is interpreted like this:

```

<xs:element name="note"> defines the element called "note"
<xs:complexType> the "note" element is a complex type
<xs:sequence> the complex type is a sequence of elements
<xs:element name="to" type="xs:string"> the element "to" is of type string (text)
<xs:element name="from" type="xs:string"> the element "from" is of type string
<xs:element name="heading" type="xs:string"> the element "heading" is of type string
<xs:element name="body" type="xs:string"> the element "body" is of type string

```

XML DTD:

The purpose of a DTD is to define the structure and the legal elements and attributes of an XML document:

Example: DTD file namely Note.dtd

```

<!DOCTYPE note
[
  <!ELEMENT note (to,from,heading,body)>
  <!ELEMENT to (#PCDATA)>
  <!ELEMENT from (#PCDATA)>
  <!ELEMENT heading (#PCDATA)>
  <!ELEMENT body (#PCDATA)>
]>

```

The DTD above is interpreted like this:

```

!DOCTYPE note - Defines that the root element of the document is note
!ELEMENT note - Defines that the note element must contain the elements: "to, from, heading, body"
!ELEMENT to - Defines the to element to be of type "#PCDATA"
!ELEMENT from - Defines the from element to be of type "#PCDATA"
!ELEMENT heading - Defines the heading element to be of type "#PCDATA"
!ELEMENT body - Defines the body element to be of type "#PCDATA"

```

Tip: #PCDATA means parseable character data.

CODE:

(XML FILE FOR DTD FORMAT):

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE student SYSTEM "student.dtd">

<student>

    <enroll_number>17028116044</enroll_number>

    <name>Samin</name>

    <contact>123456789</contact>

    <email>saminmomin4@gmail.com</email>

</student>
```

(DTD FILE):

```
<!ELEMENT student (enroll_number,name,contact,email)>
<!ELEMENT enroll_number (#CDATA)>
<!ELEMENT name (#CDATA)>
<!ELEMENT contact (#CDATA)>
<!ELEMENT email (#CDATA)>
```

(XML FILE FOR XSD FORMAT)

```
<?xml version="1.0" encoding="UTF-8"?>
<student xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="stud.xsd">

    <enroll_number>17028116044</enroll_number>

    <name>Samin</name>

    <contact>123456789</contact>

    <email>saminmomin4@gmail.com</email>

</student>
```

(XSD FILE):

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

    <xs:element name="student">

        <xs:complexType>

            <xs:sequence>

                <xs:element name="enroll_number" type="xs:string" />

                <xs:element name="name" type="xs:string" />

                <xs:element name="contact" type="xs:string" />

                <xs:element name="email" type="xs:string" />

            </xs:sequence>

        </xs:complexType>

    </xs:element>

</xs:schema>
```

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Practical-14

Aim: Write a PHP program

- 1) To display today's date in dd-mm-yyyy format.
- 2) To check if number is prime or not.

PHP:

PHP files can contain text, HTML, CSS, JavaScript, and PHP code

PHP code is executed on the server, and the result is returned to the browser as plain HTML

PHP files have extension ".php"

A PHP script can be placed anywhere in the document.

A PHP script starts with `<?php` and ends with `?>`:

Syntax:`<?php`

`// PHP code goes here`

`?>`

Example:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
echo "My first PHP script!";
```

```
?>
```

```
</body>
```

```
</html>
```

Creating (Declaring) PHP Variables

In PHP, a variable starts with the \$ sign, followed by the name of the variable:

Example

```
<?php
```

```
$txt = "Hello world!";
```

```
$x = 5;
```

```
$y = 10.5;
```

```
?>
```

Output Variables

The PHP `echo` statement is often used to output data to the screen.

The following example will show how to output text and a variable:

Example

```
<?php
```

```
$txt = "W3Schools.com";
```

```
echo "I love $txt!";
```

```
?>
```

PHP Conditional Statements

Very often when you write code, you want to perform different actions for different conditions. You can use conditional statements in your code to do this.

In PHP we have the following conditional statements:

`if` statement - executes some code if one condition is true

`if...else` statement - executes some code if a condition is true and another code if that condition is false

`if...elseif...else` statement - executes different codes for more than two conditions

`switch` statement - selects one of many blocks of code to be executed

PHP - The if Statement

The if statement executes some code if one condition is true.

Syntax:

```
if (condition) {
    code to be executed if condition is true;
}
```

PHP - The if...else Statement

The if...else statement executes some code if a condition is true and another code if that condition is false.

Syntax:

```
if (condition) {
    code to be executed if condition is true;
} else {
    code to be executed if condition is false;
}
```

PHP - The if...elseif...else Statement

The if...elseif...else statement executes different codes for more than two conditions.

Syntax:

```
if (condition) {
    code to be executed if this condition is true;
} elseif (condition) {
    code to be executed if first condition is false and this condition is true;
} else {
    code to be executed if all conditions are false;
}
```

PHP- date() dunction

The date() function formats a local date and time, and returns the formatted date string.

Syntax: date(format, timestamp)

Parameter	Description
Format	Required. Specifies the format of the outputted date string.
timestamp	Optional. Specifies an integer Unix timestamp. Default is the current local time (time())

Code:

(A)

```
<?php
$date=date("d-m-y");
echo "Today's date is: ".$date
?>
```

(B)

```
<?php
$number=5;
$i=0;
if($number==1||$number==0){
    echo "The number is neither prime nor composite";
}
else{
for($i=2;$i<=sqrt($number);$i++){
    if($number%$i == 0){
        echo "\n\nThe number is not a prime number";
        break;
    }
    else{
        continue;
    }
}
if($i>sqrt($number)){
    echo "\n\nThe number is prime number";
}
}
```

Output:

(A)

Today's date is:19-03-20

(B)

The number is prime number

Rubric:

Criteria	Excellent(4)	Good (3)	Fair(2)	Poor(1)
Coding Validation	There are no errors in the HTML, CSS or other coding on the site as found by me or an online validator.	There are 1-3 coding errors on the site as found by me or an online validator.	There are 4-5 coding errors on the site as found by me or an online validator.	There are more than 6 coding errors on the site as found by me or an online validator.
Layout/Design	The web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.	The web site has an attractive and usable layout. It is easy to locate all important elements.	The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The web site has a cluttered look and is confusing. It is often difficult to locate important elements.
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Practical-15

Aim: Create HTML page that contain textbox, submit / reset button. Write php program to insert this information in database and display it.

Open a Connection to MySQL:

Before we can access data in the MySQL database, we need to be able to connect to the server:

Example (MySQLi Object-Oriented)

```
<?php
    $servername = "localhost";
    $username = "username";
    $password = "password";
    // Create connection
    $conn = new mysqli($servername, $username, $password);
    // Check connection
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    echo "Connected successfully";
?>
```

Create a MySQL Database Using MySQLi

The CREATE DATABASE statement is used to create a database in MySQL.

The following examples create a database named "myDB":

Example (MySQLi Object-oriented)

```
<?php
    $servername = "localhost";
    $username = "username";
    $password = "password";
    // Create connection
    $conn = new mysqli($servername, $username, $password);
    // Check connection
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }
    // Create database
    $sql = "CREATE DATABASE myDB";
    if ($conn->query($sql) === TRUE) {
        echo "Database created successfully";
    } else {
        echo "Error creating database: " . $conn->error;
    }
    $conn->close();
?>
```

The CREATE TABLE statement is used to create a table in MySQL.

We will create a table named "MyGuests", with five columns: "id", "firstname", "lastname", "email" and "reg_date":

Example:

```
CREATE TABLE MyGuests (  
  id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,  
  firstname VARCHAR(30) NOT NULL,  
  lastname VARCHAR(30) NOT NULL,  
  email VARCHAR(50),  
  reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE  
  CURRENT_TIMESTAMP  
)
```

The INSERT INTO statement is used to add new records to a MySQL table:

Syntax:

```
INSERT INTO table_name (column1, column2, column3,...)  
VALUES (value1, value2, value3,...)
```

Select Data From a MySQL Database

The SELECT statement is used to select data from one or more tables:

```
SELECT column_name(s) FROM table_name
```

or we can use the * character to select ALL columns from a table:

```
SELECT * FROM table_name
```

Code:

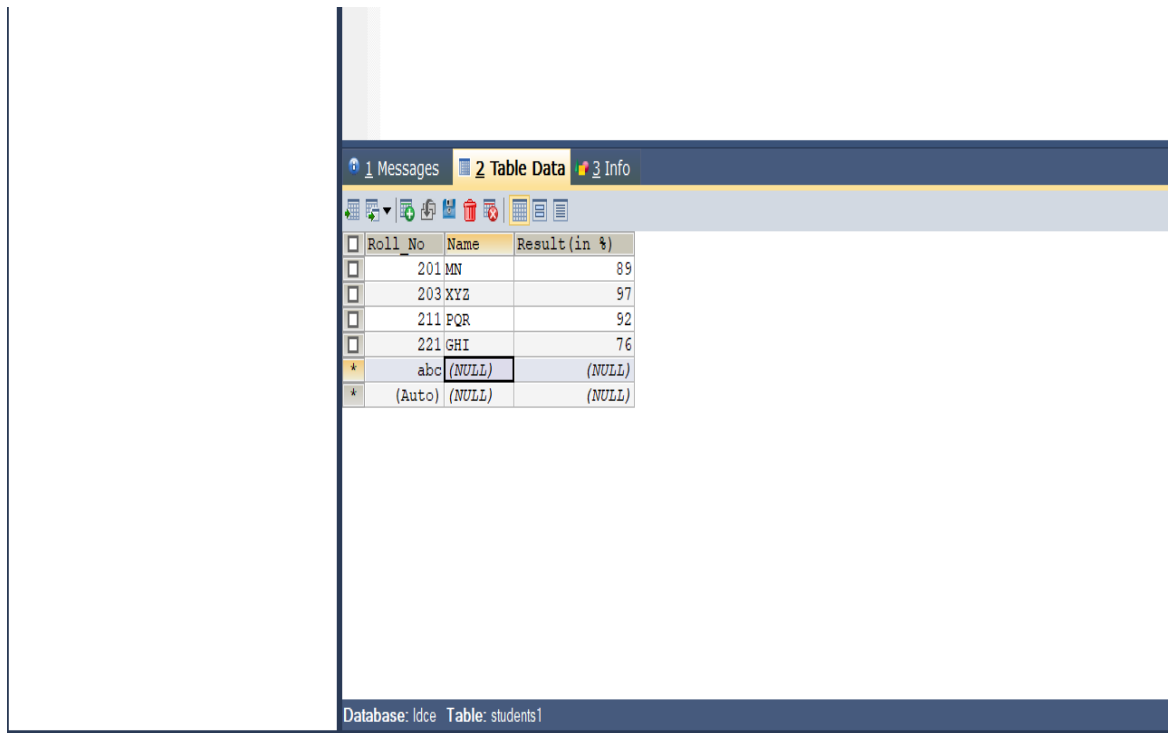
(HTML file) :

```
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
  <title>Database Saving</title>  
  
</head>  
  
<body>  
  
  <form action="Practical15.php" method="POST">  
  
    <label>Enter your name:</label><br>  
  
    <input type="text" name="name">  
  
    <br>  
  
    <input type="submit" name="submit" value="Submit">  
  
  </form>  
  
</body>  
  
</html>
```

(PHP file)

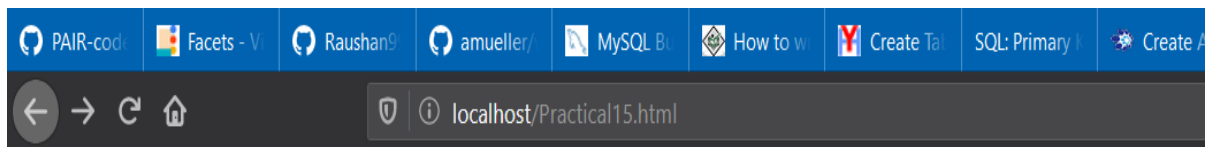
```
<?php
$username=$_POST['name'];
$con=mysqli_connect("localhost","root","root","ldce");
if($con){
    print_r("Connection to Database successful");
}else{
    die("Failed to connect to the database");
}
$query="INSERT INTO students1 (Name) VALUES ('$username')";
if(mysqli_query($con,$query)){
    echo "\nRecord inserted. The value is $username";
}else{
    echo "Su yaar na thayu la";
}
?>
```

Output:



Roll_No	Name	Result (in %)
201	MN	89
203	XYZ	97
211	PQR	92
221	GHI	76
*	abc (NULL)	(NULL)
*	(Auto) (NULL)	(NULL)

Database: ldce Table: students1



Enter your name:

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