# Computer Workshop PRACTICALS

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ROLL NO.: 60

**BRANCH: CSE** 

SEMESTER: 3rd

COLLEGE: Government College of Engineering, Nagpur

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- 2. Write a HTML code to generate the following output. Create an html page with following specifications a. Title should be about my college b. Put the image in the background c. Place your College name at the top of the page in large text followed by an address in smaller size d. Add names of courses offered each in a different color, style and typeface e. Add scrolling text with a message of your choice (Develop an HTML document for a web page using Character and Page formatting elements)
- 3. Develop an HTML document for a web page using Ordered, Unordered and Definition list.

  Design web page using attractive background color, text color and background image
- Create a static web page using a complex table like mark sheet, telephone bill, time
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- Create a static web page which defines all text formatting tags of HTML in tabular format
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# Practical 1

Aim: Introduction to HTML, Web Pages, World Wide Web, Tags in HTML.

( PDF submitted on moodle )

# Practical 2

Aim: Write a HTML code to generate the following output. Create an html page with following specifications a. Title should be about my college b. Put the image in the background c. Place your College name at the top of the page in large text followed by an address in smaller size d. Add names of courses offered each in a different color, style and typeface e. Add scrolling text with a message of your choice (Develop an HTML document for a web page using Character and Page formatting elements).

# Theory:

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

#### Code:

```
*college - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<head>
<style>
img {
 width: 100%;
body{
 background-image: url('data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAoHCBYWFRgWFhYZGBgYGhwaHBgaHBkaGBgaHB4hGhwYGhkcJC4lHC
CwKjrJqeeq7+PCd1TFM66+H9KSkn0FUdAd/jSj2+6kntPhSg9vuoGL40oP5g0k9opQ3aKQHQb8xXWbtFID3UFu7xpDFzd3jSzXObsn89tGvIUAdzRNcZTQEHKkAuekk8vGuqKA
dWXZ2vd0+7c/G31rh8e53u572b61nv7ZQekfwmnExpdcyMf0KmQQQPzNb3/wxcWvS30IJ4nxJrhn7jVS+NKJmcsesF0A5E/KmG24vJ/blp2/gKN+15n7D8a1YB5dRz91V2zGF1
x5uPd6xIUJGpIgzunnFXLjSsf0BYlr3db/51sX3U3p0a8SaikzGdLGb0kEjqHcSPSPKqnAgm7bknz0/iFXXS0xnd0tEKeBM9Y8u6q7D40HQ5ph19H7Q5mumHRMnstL5AZvvN8a
yj7vOb+I1s45UZpm+x7oUOQgjMNxBE+yoWAIFxZ7fgarthH/AAzf6x/gFTcCf1g7A3wNapVFozb/AJFuu2MMBHlLf4lqTs7FJcDMjBgCBI1ExMe+vKrbSWnma3nQcRZf/U/4is
FcbRhblhuEMvhH1pAWtnGi1ndgWULqBE9ZVGk8iZ9lcWtoKRImDrrE/GmcWJtXO20x8Fb+Ws9h2GX8/SnVgNW3OYd31ru4pJQD1vnXaIBryp+yRIHaPjXRJmZdYbzn9nzp5zUf
5FkyON@jbXcoOhHDiXOujmPEVUbK2LjUDXb6v5NhlVmdHGbNvDEjceFWoFOKpUDex1TUTa1nOFjeDPiKeC9pgv27cdbalGIOdOdx@IPMc4rl/wBjfwXDSN9T@NVGGuEjU686sb
eWYOM0kxmHPfpWcYLs0/RmbTYV0tb/UkAWwpPkwsMFjrD0zPpcd9SU2NeGgQxnB8xBoGBmYkd005Z6PtJHlVYrMjrEjvmo+LwllJzXFJB3AE6g7vj76coxW2wzZYPspyPN1G7V
R1yFjPkgZzAC18o13e+peGw9sYeRdcqrrbMWhmzR10z7oXnWobbthVDnJ1K6gZQVYEAg6zr1jTgZ06qjHdL0KutoDNIKGAN3PXraiRw04ikuTF2hNWqZVWjaD1g90yP2acwd+f
3SBoASN5gCpF6y79cwA5Jy6wCSRHzpUwuoAYBBrHBSeAJ10sa8YqQ9/LpmBUnWOE76VoaiM2LMaAbo1Z3g6ERz1q1tFQCV1YqEgcATJgcNNI+0aqmuZnzHe0EnX8ipeBsDPmYw
xpRhJFXEqlwILE+bHDNmB4wDvB7531f2trvG4aaUx+j2+RPfSpbtgQFAHIARQuNoLiel3Fka1julezE8opAglYMAa6nU9v0oord9GaMxc2YvM00+yF9Y+FLRUsoiXdlr2Tzyio
width="150" height="400"
background-repeat: no-repeat;
background-size: cover;
</style>
</head>
<body>
<h1 style="font-size:300%;text-align:center;">Government College of Engineering Nagpur</h1>
<strong>Government College of Engineering, Nagpur (GCOEN) Sector 27,
<b>
                                                                                      Ln 21, Col 9
                                                                                                  100% Windows (CRLF)
                                                                                                                UTF-8
*college - Notepad
File Edit Format View Help
3SBoASN5gCpF6y79cwA5Jy6wCSRHzpUwuoAYBBrHBSeAJ10sa8YqQ9/LpmBUnWOE76VoaiM2LMaAbolZ3g6ERz1q1tFQCV1YqEgcATJgcNNI+0aqmuZnzHe0EnX8ipeBsDPmYw ^
xpRhJFXEqlwILE+bHDNmB4wDvB7531f2trvG4aaUx+j2+RPfSpbtgQFAHIARQuNoLiel3Fka1julezE8opAglYMAa6nU9v0oord9GaMxc2YvM00+yF9Y+
width="150" height="400"
background-repeat: no-repeat;
background-size: cover;
</style>
</head>
<body>
<h1 style="font-size:300%;text-align:center;">Government College of Engineering Nagpur</h1>
<strong>Government College of Engineering, Nagpur (GCOEN) Sector 27,
<b>
Government College of Engineering, Nagpur is a newly formed Government College of Engineering in the state of Maharashtra starting fro
</b>
<marquee direction="right" height="100px" style="color:red;font-size:30px">
Admissions open for session 2020-2021
</marquee>
<h2>Courses Offered : </h2>
Civil Engineering
  Computer Science and Engineering
 Electrical Engineering
 Electronics and telecommunication Engineering
  Mechanical Engineering
</body>
</html>
```

Ln 21, Col 9

100% Windows (CRLF)



# **Practical 3**

Aim: Develop an HTML document for a web page using Ordered, Unordered and Definition list. Design web page using attractive background color, text color and background image

### Theory:

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

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

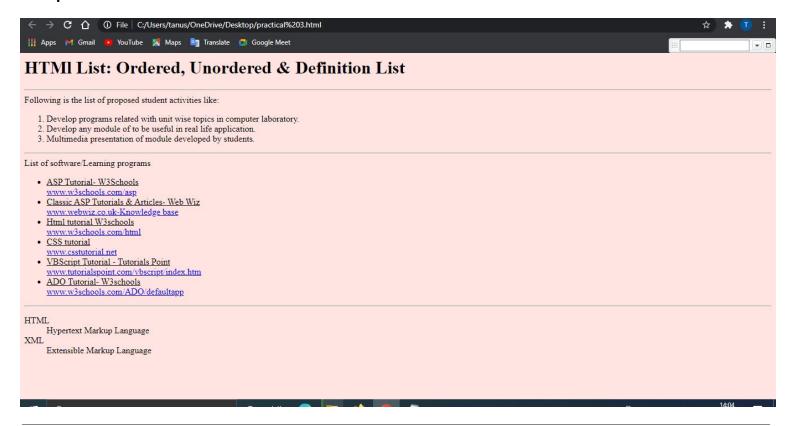
HTML Description Lists

HTML also supports 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

```
<html>
<head>
<title>Lists</title>
</head>
<body bgcolor="MistyRose">
<h1>HTMI List: Ordered, Unordered & Definition List</h1>
Following is the list of proposed student activities like:
<0|>
Develop programs related with unit wise topics in computer laboratory.
Develop any module of to be useful in real life application.
Multimedia presentation of module developed by students.
<hr>
List of software/Learning programs
<u>ASP Tutorial- W3Schools<br>
<a href="www.w3schools.com/asp">www.w3schools.com/asp</a>
Classic ASP Tutorials & Articles- Web Wiz<br>
<a href="www.webwiz.co.uk">www.webwiz.co.uk-Knowledge base</a>
Html tutorial W3schools<br>
<a href="www.w3schools.com/html">www.w3schools.com/html</a>
CSS tutorial<br>
<a href="www.csstutorial.net">www.csstutorial.net</a>
VBScript Tutorial - Tutorials Point<br>
<a href="www.tutorialspoint.com/vbscript/index.htm">www.tutorialspoint.com/vbscript/index.htm</a>
ADO Tutorial- W3schools<br>
<a href="www.w3schools.com/ADO/defaultapp">www.w3schools.com/ADO/defaultapp</a>
<hr>
<dl>
<dt>HTML</dt>
<dd>Hypertext Markup Language</dd>
<dt>XML</dt>
<dd>Extensible Markup Language</dd>
</dl>
</body>
</html>
```



# Practical 4

Aim: Create a static web page using a complex table like mark sheet, telephone bill, time –table etc.

# Theory:

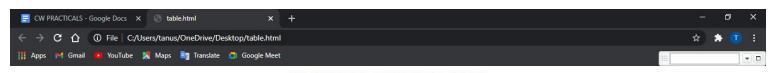
- The tag defines an HTML table.
- Each table row is defined with a 
   tag.
   Each table data/cell is defined with a tag.
- By default, the text in elements are bold and centered.
- By default, the text in elements are regular and left-aligned.
- To add a border to a table, use the CSS border property
- To let the borders collapse into one border, add the CSS border-collapse property
- To make a cell span more than one column, use the colspan attribute
- To make a cell span more than one row, use the rowspan attribute
- To add a caption to a table, use the <caption> tag. Note: The <caption> tag must be inserted immediately after the tag.

#### Code:

<html>

```
<head>
<style>
table{
  border: 1px solid black;
  border-collapse: collapse;
  }
th,td{
  border: 1px solid black;
  padding: 10px;
  text-align="center";
</style>
</head>
<body font align="center">
<h1 font align="center">MANIPAL UNIVERSITY</h1>
<caption>MARKSHEET</caption>
SUBJECT NAME
 INTERNAL ASSESSMENT
 EXTERNAL ASSESSMENT
 TOTAL MARKS OBTAINED
PRACTICAL
 THEORY
 PRACTICAL
 THEORY
obtained
 out of
 obtained
 out of
 obtained
 out of
 obtained
 out of
 obtained
 out of
DCFM
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 16
 20
 18
 20
 75
 80
 93
```

```
100
ACPL
20
20
16
20
18
20
75
80
93
100
MATHS
20
20
16
20
18
20
75
80
93
100
CAO
20
20
16
20
18
20
75
80
93
100
Total Marks
378
400
</body>
</html>
```



# MANIPAL UNIVERSITY

SUBJECT NAME	INTERNAL ASSESSMENT				EXTERNAL ASSESSMENT				TOTAL MARKS OBTAINED	
	PRACTICAL		THEORY		PRACTICAL		THEORY		- TOTAL MARKS OBTAINED	
	obtained	out of	obtained	out of	obtained	out of	obtained	out of	obtained	out of
DCFM	20	20	16	20	18	20	75	80	93	100
ACPL	20	20	16	20	18	20	75	80	93	100
MATHS	20	20	16	20	18	20	75	80	93	100
CAO	20	20	16	20	18	20	75	80	93	100
Total Marks			,			,			378	400

# **Practical 5**

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

# Theory:

HTML contains several elements for defining text with a special meaning. :

- The HTML <b> element defines bold text, without any extra importance.
- The HTML <strong> element defines text with strong importance. The content inside is typically displayed in bold.
- The HTML <i> element defines a part of text in an alternate voice or mood. The content inside is typically displayed in italic.
- The HTML <small> element defines smaller text.
- The HTML <mark> element defines text that should be marked or highlighted.
- The HTML <del> element defines text that has been deleted from a document. Browsers will usually strike a line through deleted text.
- The HTML <ins> element defines a text that has been inserted into a document. Browsers will usually underline inserted text.
- The HTML <sub> element defines subscript text. Subscript text appears half a character below the normal line, and is sometimes rendered in a smaller font. Subscript text can be used for chemical formulas, like H<sub>2</sub>O.
- The HTML <sup> element defines superscript text. Superscript text appears half a character above the normal line, and is sometimes rendered in a smaller font. Superscript text can be used for footnotes.

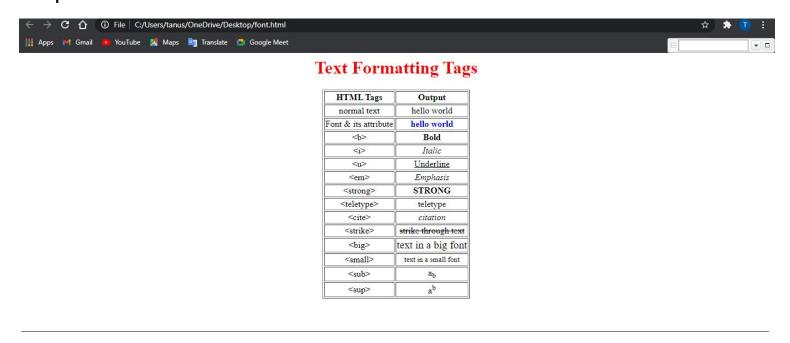
```
<html>
<head>
 <title>Practical5</title>
 <style>
   h1{
     color: red;
     text-align: center;
   }
   table{
     text-align: center;
     margin-left: auto;
     margin-right: auto;
   }
 </style>
</head>
<body>
   <h1>Text Formatting Tags</h1>
   HTML Tags
        Output
```

```
normal text
 hello world
 Font & its attribute
 <strong><font color="blue">hello world</font></strong>
<b&gt;
 <b>Bold</b>
 <i&gt;
 <i>Italic</i>
```

```
<u&gt;
 <u>Underline</u>
 <em&gt;
 >
  <em>Emphasis</em>
 <strong&gt;
 <strong>STRONG</strong>
 <teletype&gt;
```

```
<teletype>teletype</teletype>
 <cite&gt;
 <cite>cite>citation</cite>
 <strike&gt;
 <strike>strike through text</strike>
 <big&gt;
 <br/><br/>big>text in a big font</big>
```

```
<small&gt;
   <small>text in a small font</small>
   >
    <sub&gt;
   a<sub>b</sub>
   <sup&gt;
     >
      a<sup>b</sup>
     </body>
</html>
```



# Practical 6

Aim: Develop a complete web page using Frames and Frameset which gives the information about college.

# Theory:

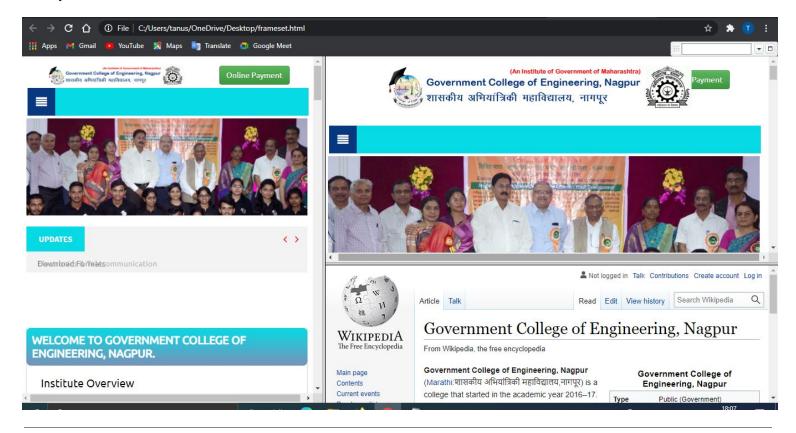
HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

To use frames on a page we use <frameset> tag instead of <body> tag. The <frameset> tag defines how to divide the window into frames. The **rows** attribute of <frameset> tag defines horizontal frames and **cols** attribute defines vertical frames. Each frame is indicated by a <frame> tag and it defines which HTML document shall open into the frame.

```
<html>
<head>
<title>My College</title>
</head>
<frameset>
<frameset cols="40%,*">
<frame src="http://www.gcoen.ac.in/" name="f1">
<frame src="http://www.gcoen.ac.in/" name="f2">
<frame src="http://www.gcoen.ac.in/" name="f2">
<frame src="http://www.gcoen.ac.in/" name="f2">
<frame src="https://en.wikipedia.org/wiki/Government_College_of_Engineering,_Nagpur" name="f3">
```

</frameset>
</frameset>
</html>

# Output:



# Practical 7

Aim: Create an employee registration webpage using HTML form objects.

#### Theory:

An HTML form is used to collect user input. The user input is most often sent to a server for processing.

The HTML <form> element is used to create an HTML form for user input. The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

The HTML <input> element is the most used form element.

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

Here are some examples:

Туре	Description
<input type="text"/>	Displays a single-line text input field
<input type="radio"/>	Displays a radio button (for selecting one of many choices)
<input type="checkbox"/>	Displays a checkbox (for selecting zero or more of many choices)
<input type="submit"/>	Displays a submit button (for submitting the form)
<input type="button"/>	Displays a clickable button

The <input type="text"> defines a single-line input field for text input.

Notice the use of the <label> element in the example above.

The <label> tag defines a label for many form elements.

The <label> element is useful for screen-reader users, because the screen-reader will read out loud the label when the user focus on the input element.

The <label> element also help users who have difficulty clicking on very small regions (such as radio buttons or checkboxes) - because when the user clicks the text within the <label> element, it toggles the radio button/checkbox.

The for attribute of the <label> tag should be equal to the id attribute of the <input> element to bind them together.

The <input type="radio"> defines a radio button.

Radio buttons let a user select ONE of a limited number of choices.

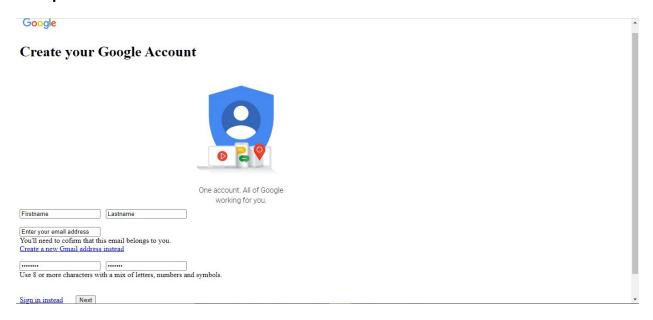
#### Code:

<html>

<head>

<title>

```
Forms
     </title>
     <body>
       <imq src="C:\Users\Ayona\Desktop\etc\google1.PNG">
       <h1>
          Create your Google Account
       </h1>
       <form>
          <label for="fname"></label>
          <input type="text" id="fname" name="fname" value="Firstname">&nbsp;&nbsp;
          <label for="Iname"></label>
          <input type="text" id="lname" name="lname" value="Lastname"><img
src="C:\Users\Ayona\Desktop\etc\google2.PNG"><br><br>
          <label for="email address"></label>
          <input type="text" id="email address" name="email address" value="Enter your</pre>
email address"><br>
          You'll need to confirm that this email belongs to you. <br>
          <a href="www.google.com">Create a new Gmail address instead</a><br><br><br></a>
          <label for="pass"></label>
          <input type="password" id="pass" name="pass"</pre>
value="Password">  
          <label for="cpass"></label>
          <input type="password" id="cpass" name="cpass" value="Confirm"><br>
          Use 8 or more characters with a mix of letters, numbers and
<a href="www.google.com">Sign in
instead</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
          <input type="submit" value="Next"><br><br>
          <select name="Lang">
            <option value="Eng">English</option>
```



# **Practical 8**

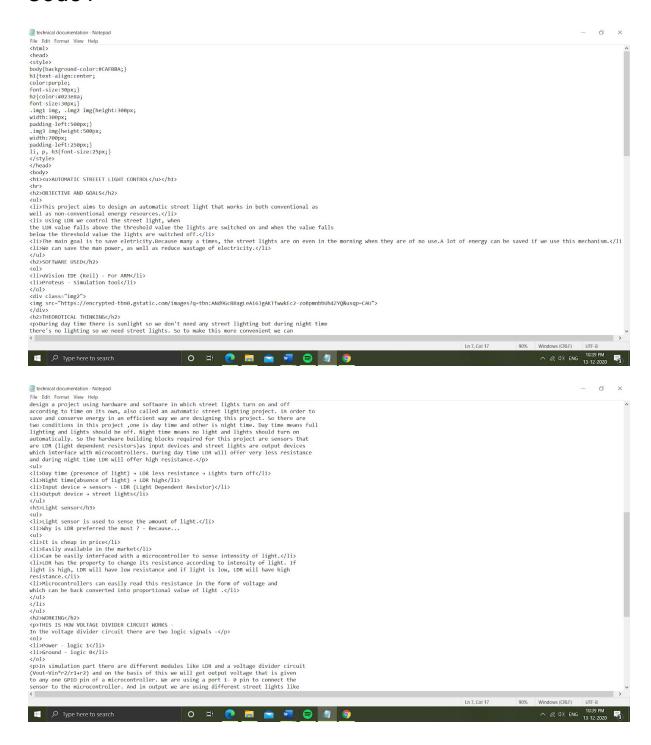
Aim: Build technical documentation page using using HTML

# Theory:

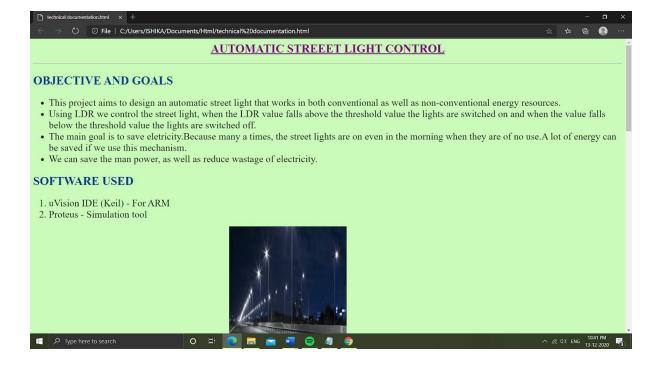
**Technical documentation** refers to any **document** that explains the use, functionality, creation, or architecture of a product. Think of it as a nuts-and-bolts "how to" guide for your users, new hires, administrators, and anyone else who needs to know how your product works.

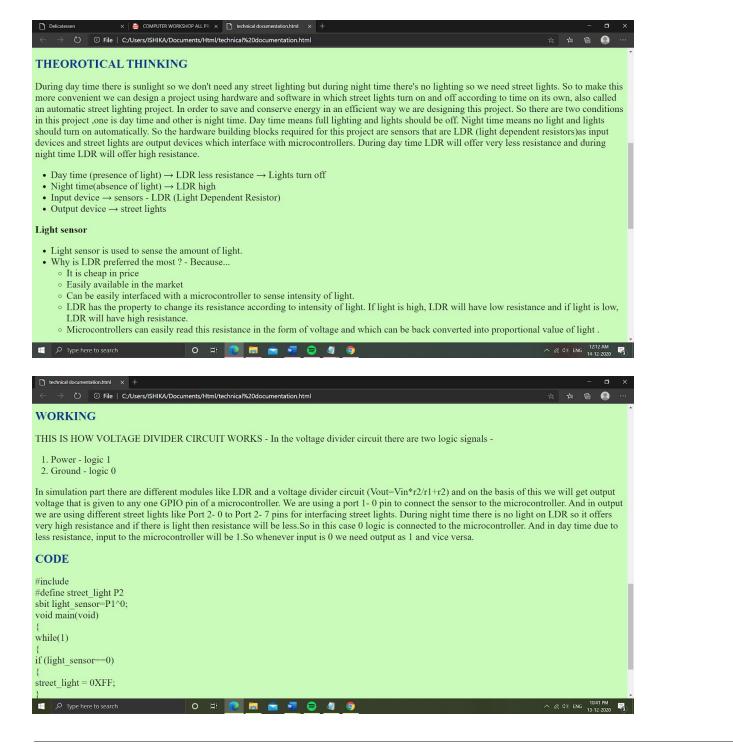
**Technical documents** include memos, graphics, letters, fliers, reports, newsletters, presentations, web pages, brochures, proposals, instructions, reviews, press releases,

catalogs, advertisements, handbooks, business plans, policies and procedures, specifications, instructions, style guides, agendas and so forth.



```
The Fall Format Wine Heigh
which can be back converted into proportional value of light .
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(/13)
(/13)
(/13)
(/13)
(/1
```





### **Practical 9**

Aim: Apply style sheet on the Web page. [inline, embedded and linked]

# Theory:

Cascading Style Sheets (CSS) is used to format the layout of a webpage.

With CSS, you can control the color, font, the size of text, the spacing between elements, how elements are positioned and laid out, what background images or background colors are to be used, different displays for different devices and screen sizes, and much more!

CSS can be added to HTML documents in 3 ways:

**Inline** - by using the style attribute inside HTML elementsAn inline CSS is used to apply a unique style to a single HTML element. An inline CSS uses the style attribute of an HTML element.

**Internal** - by using a <style> element in the <head> section.An internal CSS is used to define a style for a single HTML page. An internal CSS is defined in the <head> section of an HTML page, within a <style> element.

**External** - by using a link> element to link to an external CSS file. The most common way to add CSS, is to keep the styles in external CSS files. However, in this tutorial we will use inline and internal styles, because this is easier to demonstrate, and easier for you to try it yourself.

# Code: ext.css hr { color:sienna; } р margin-left:20px; } body { background-image:url("sheet.jpg"); } stylesheet.html

<html>

<head>

```
<link rel="stylesheet" type="text/css" href="ext.css">
<style>
h1
{
background-color: #6495ed;
}
р
{
background-color: #e0ffff;
}
div
{
background-color: #b0c4de;
}
</style>
</head>
<body>
<h2>Internal, External & Inline Style!</h1>
<div>Text inside a div element.
paragraph background color
still in the div element.
</div>
Hello world.
</body>
</html>
```

# Output: Internal, External & Inline Style! Text inside a div element. paragraph background color still in the div element. Hello world.

# Practical 10

Aim: Create a business website using HTML and CSS.

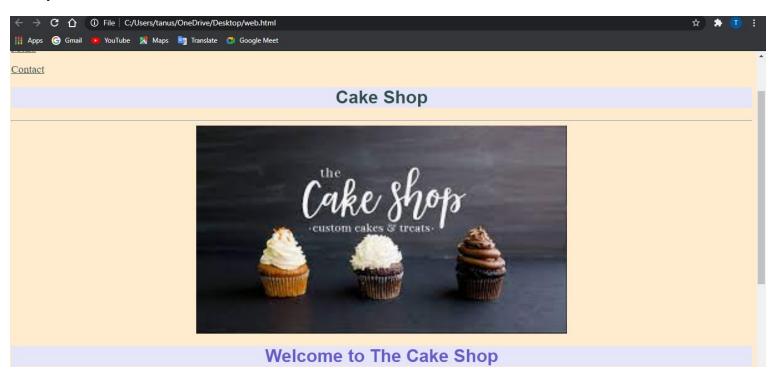
# Theory:

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files
- CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.
- The style definitions are normally saved in external .css files.

- With an external stylesheet file, you can change the look of an entire website by changing just one file!
- A CSS rule-set consists of a selector and a declaration block. The selector points to the HTML element you want to style. The declaration block contains one or more declarations separated by semicolons. Each declaration includes a CSS property name and a value, separated by a colon. Multiple CSS declarations are separated with semicolons, and declaration blocks are surrounded by curly braces.

```
web - Notepad
                                                                                                                                               ø
File Edit Format View Help
<html>
<head>
<title>Cake Shop</title>
<style>
h1 {
  text-align: center;
.sansserif {
  font-family: Arial, Helvetica, sans-serif;
  box-sizing: border-box;
}
.column {
  float: left;
  width: 33.33%;
  padding: 5px;
.row::after {
  content: "";
  clear: both:
  display: table;
img {
  display: block;
  margin-left: auto;
  margin-right: auto;
                                                                                                         Ln 53, Col 80
                                                                                                                   100% Windows (CRLF) UTF-8
```

```
web - Notepad
File Edit Format View Help
<a href="file:///C:/Users/tanushree/Documents/Html/contact.html"><big><font color="DarkSlateGrey">Contact</big></font></a //
</pre>
<h1 class="sansserif" style="background-color:Lavender;"><font color="DarkSlateGrey">Cake Shop<font></h1>
<img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQABAQABAQD/2wCEAAoHCBUVFRgVFRVVFRUSERISGBgYGBIYGBgYGBkaGRgYGBgcIS41HB4rHxgZJjgmKy8xN</pre>
cy0KCBr1XuQSvtBVuLgdTcAf0BycFhVdKzszKaNJKgAA0bNVp07G5Fvbv6ToY7ZihA6aZcLg6jpxG7VgQSrE+80XKx9JHtTZ9TBuMtRXp4iiHSqnsVEJDcm5EMqm3MEKe0qNtC
GJOIYgLnD1cTWAIp0x7GFwyNe7NbUqPxHroJR5HSp3sFBJNgANSb6AADnNJtPwjXw9Le1DS4VRmRXJqKrEKGZbWtmIBIJ1nQ8IImK2m1ZUsi1KuJC2Fl14AbaA5mU/ESPxPtem
4DbaxK0VTCUXuMPUNSpUQ+3ibWZkYa5UHAp/3HrO19n+2Ep401cRUtnw9RA9RmbjJQrmc3NrKwuZkQloQEaHpXgbFK2MTD0WL0MNRr1nqFcpr1mCo9Ug+yvHlUcwL35zlYPadX
G+ztSCK7Wq2JCi9grDha2huNe4nC8V+D3wfGpapSDBGdlylWa+W4BIKm1r9+g0nsy0yKhqHUFVUC2qi9zrz1P0lbamzfvFCtRqarUHA17cuJL291h6ic005S9293902er0p0p+
xZ1u6WKlRnAObK5Fw2lxzsBNBt/YrV0z5f4lOmxDKLmqFAsjLfRgAdRe9+XQcuLO777d+TjmumN3ixCqJXYWuCLEGxB0IPYxrz0vMtCuILVhK8e0CXext7IrRrQJd4JUruMx9P
Drr6fHM+om6wfhWo9EpWZwWcsjXFlAv1LLyJsdR8rTC4rDvTd6bWzU6j0zbldSQbHtpPXx25Tt5OTGY3ovUR7+cgIaELzenPaXN5xZz3kfF5Qrt5fKNGzlz5SuxMmCtAYN2iw2
qkC7i1yFuMi8vMtz/AJZm4433G8csp6ehbMxVc2+81SUJCugsvBci4bNyNh20M5W0KabxyhLI1RmUnU2JvqepF7X8pyNm4NS2rPVUAk5mYLpdhYA63GT5n07CqLachN8ckt0nL
1 ko EF11 iVB1 iCyS0 ICbY2 iKQ1 SGRCEARTENU8 oh JBC a CBJAI g s cQp Wg2k14 JHWV KErBZ JIBeI iEQGnBenLNo ikaFPdCG1 GWQk1 CS6ENO iJdp JaC iSZZRMPK SLAUQ1 MoPLeLL GRUNDER SCAUNDER SCAU
<h1 class="sansserif" style="background-color:Lavender;"><font color="SlateBlue">Welcome to The Cake Shop<font></h1>
<a href="file:///C:/Users/tanushree/Documents/Html/menu.html"><big><center><font color="Purple">Click Here to view our Menu</center></</pre>
<div class="row">
    <div class="column">
        <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQ9I4rn6d_wweHwpum8ENpDoEUAdoRSFx122w&usqp=CAU" alt="cake rack" sty</pre>
    </div>
    <div class="column">
       <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRIsfyKrwhdIbVBrOR844b15cpIatJfCubd8w&usqp=CAU" alt="cakes" style="</pre>
    </div>
    <div class="column">
       <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQciB_1e2CHKXBxEQ9dIRd8M_VDZGVHE4JvMQ&usqp=CAU" alt="cupcakes" styl</pre>
    </div>
</div>
<hr>>
</body>
</html>
                                                                                                                                                                                Ln 53, Col 80
                                                                                                                                                                                                        100% Windows (CRLF)
```





#### **Welcome to The Cake Shop**

Click Here to view our Menu







### Practical 12

Aim: Create a HTML web page using Javascript.

# Theory:

JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser. Since then, it has been adopted by all other graphical web browsers. With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

Although, JavaScript has no connectivity with Java programming language. The name was suggested and provided in the times when Java was gaining popularity in the market. In addition to web browsers, databases such as CouchDB and MongoDB uses JavaScript as their scripting and query language.

- JavaScript makes HTML pages more dynamic and interactive.
- The HTML <script> tag is used to define a client-side script (JavaScript).
- The <script> element either contains script statements, or it points to an external script file through the src attribute.
- Common uses for JavaScript are image manipulation, form validation, and dynamic changes of content.
- To select an HTML element, JavaScript most often uses the document.getElementById() method.
- The HTML <noscript> tag defines an alternate content to be displayed to users that have disabled scripts in their browser or have a browser that doesn't support scripts

```
<html>
<head>
<title>Weight Converter</title>
</head>
<body>
<h2>Weight Converter</h2>
Enter a value in the Kilograms field to convert :
>
<label>Kilograms</label>
<input id="Kilograms" type="number" placeholder="kilograms" oninput="kiloweightConvert(this.value)" onchange="kiloweightConvert(this.value)" />
Pounds: <span id="Pounds"></span>
Ounces: <span id="Ounces"></span>
Grams: <span id="Grams"></span>
Stones: <span id="Stones"></span>
<script>
function kiloweightConvert(value)
{
document.getElementById("Pounds").innerHTML = value * 2.2046;
document.getElementById("Ounces").innerHTML = value * 35.274;
document.getElementById("Grams").innerHTML = value * 1000;
document.getElementById("Stones").innerHTML = value * 0.1574;
}
</script>
</body>
</html>
```

