

WEB PROGRAMMING (3160713)



**VVP
ENGINEERING
COLLEGE**

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V. V. P. Engineering College, Rajkot

Department of Computer Engineering

Vision of the Department

- Transforming students into globally efficient professionals with moral values.

Mission of the Department

- To provide a strong foundation of computer engineering through effective teaching learning process.
- To enhance industry linkage & alumni network for better placement and real-world exposure.
- To provide various opportunities & platforms for all round development of students & encourage them for value-based practices.

Assignment 1

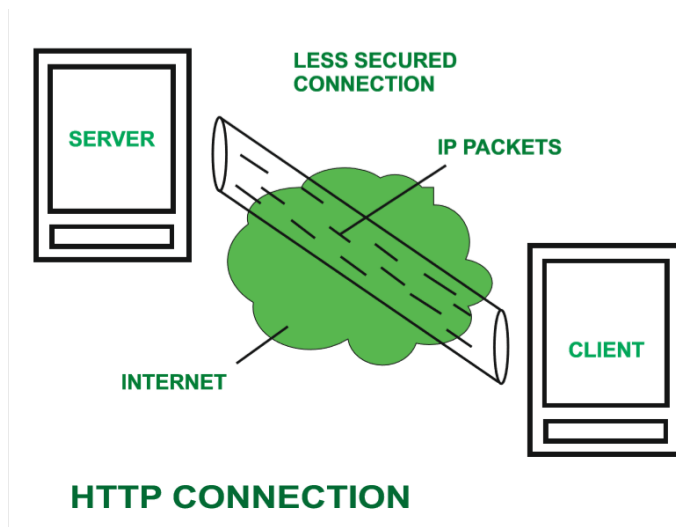
1. To Study WWW, HTTP Protocol & Web Design Issues.

1. WWW:

- World Wide Web, which is also known as a Web, is a collection of websites or web pages stored in web servers and connected to local computers through the internet. These websites contain text pages, digital images, audios, videos, etc. Users can access the content of these sites from any part of the world over the internet using their devices such as computers, laptops, cell phones, etc. The WWW, along with internet, enables the retrieval and display of text and media to your device.
- Structural Components
 - Clients/browsers – to dominant implementations
 - Servers – run on sophisticated hardware
 - Caches – many interesting implementations
 - Internet – the global infrastructure which facilitates data transfer
- Semantic Components
 - - Hyper Text Transfer Protocol (HTTP)
 - - Hyper Text Markup Language (HTML)
 - - Extensible Markup Language (XML)
 - - Uniform Resource Identifiers (URIs)
- The building blocks of the Web are web pages which are formatted in HTML and connected by links called "hypertext" or hyperlinks and accessed by HTTP. These links are electronic connections that link related pieces of information so that users can access the desired information quickly. Hypertext offers the advantage to select a word or phrase from text and thus to access other pages that provide additional information related to that word or phrase.
- A web page is given an online address called a Uniform Resource Locator (URL). A particular collection of web pages that belong to a specific URL is called a website, e.g., www.vvpedulink.ac.in, www.google.com, etc. So, the World Wide Web is like a huge electronic book whose pages are stored on multiple servers across the world.

2. HTTP:

- HTTP provides standard between a web browser and web server to establish communication. It is set of rules for transferring data from one computer to another. Data such as text, images, and other multimedia files are shared on the World Wide Web. Whenever a web user opens their web browser, user will indirectly uses HTTP. It is an application protocol which is used for distributed, collaborative, hypermedia information systems.
- First of all, whenever we want to open any website then first we open web browser after that we will type URL of that website (e.g., www.facebook.com). This URL is now sent to Domain Name Services (DNS) Then DNS first check records for this URL in their database, then DNS will return IP address to web browser corresponding to this URL. Now browser is able to sent request to actual server.
- After server sends data to client, connection will be closed. If we want something else from server we should have to re-establish connection between client and server.



3. Web Design Issues:

- Browser & Operating Systems
 - Bandwidth and Cache
 - Display Resolution
 - Look & Feel
 - Page Layout and Linking
 - Locating Information
 - Making Design user-Centric
 - Sitemap
-
- **Browser & Operating Systems** Web pages are written using different HTML tags and viewed in browser window. The different browsers and their versions greatly affect the way a page is rendered, as different browsers sometimes interpret same HTML tag in a different way. Different versions of HTML also support different sets of tags.
 - **Bandwidth and Cache** Users have different connection speed, i.e. bandwidth, to access the Web sites. Connection speed plays an important role in designing web pages, if user has low bandwidth connection and a web page contains too many images, it takes more time to download. Generally, users have no patience to wait for longer time than 10-15 seconds and move to other site without looking at contents of your web page.
 - **Display Resolution** Display resolution is another important factor affecting the Web page design, as we do not have any control on display resolution of the monitors on which user views our pages. Display or screen resolution is measured in terms of pixels and common resolutions are 800 X 600 and 1024 X 786.
 - **Look & Feel** Look and feel of the website decides the overall appearance of the website. It includes all the design aspects such as Web site theme Web typography Graphics Visual structure Navigation etc...
 - **Page Layout and Linking** Website contains of individual web pages that are linked together using various navigational links. Page layout defines the visual structure of the page and divides the page area into different parts to present the information of varying importance.
 - **Locating Information** Webpage is viewed on a computer screen and the screen can be divided into five major areas such as center, top, right, bottom and left in this particular order. The first major area of importance in terms of users viewing pattern is the center, then top, right, bottom and left in this particular order.

- Making Design user-Centric It is very difficult for any Web designer to predict the exact behavior of the Web site users. However, idea of general behavior of common user helps in making design of the Web site user centric.

2. You need to explain WWW, How HTTP Works and various web design issues.

1. How HTTP Works:

HTTP REQUEST FORMAT

First type of HTTP message: requests

- Client browsers construct and send message

Typical HTTP request:

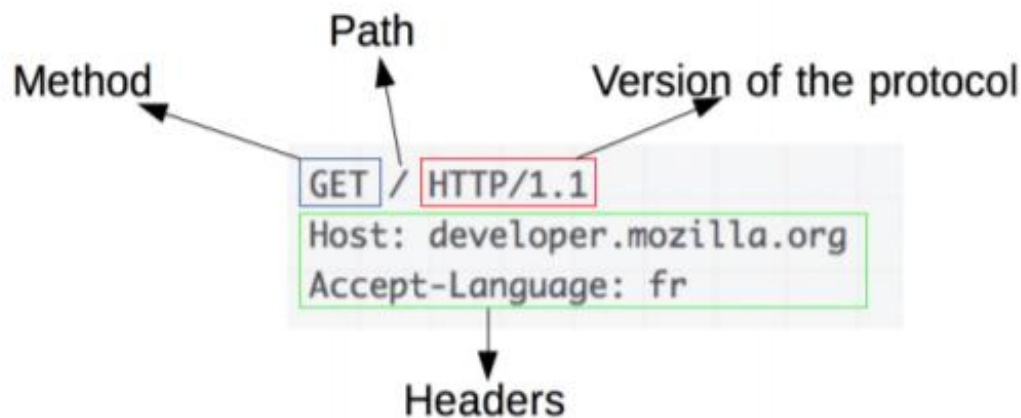
- GET http://www.vvpedulink.ac.in/index.html HTTP/1.0

request-line (request request-URI HTTP-version)

headers (0 or more)

<blank line>

body (only for POST request)



HTTP RESPONSE FORMAT

Second type of HTTP message: response

- Web servers construct and send response messages

Typical HTTP response:

- HTTP/1.0 301 Moved Permanently

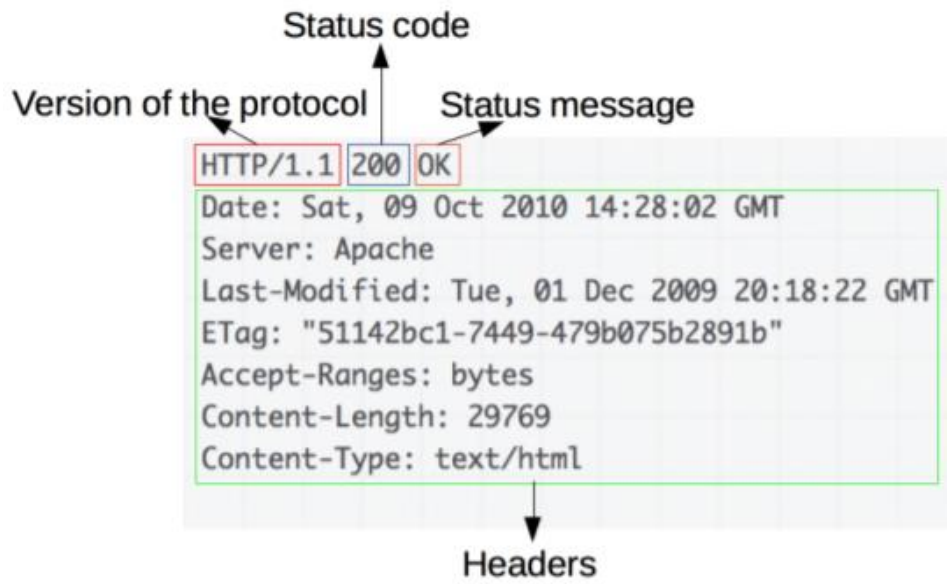
Location: http://www.wisc.edu/cs/index.html

status-line (HTTP-version response-code response-phrase)

headers (0 or more)

<blank line>

body



Assignment 2

To Study and Implement HTML elements with various tags and attribute.

1. Demonstrate various html formatting tag.

Manipulating text in HTML can be tricky; Oftentimes, what you see is NOT what you get. For instance, special HTML tags are needed to create paragraphs, move to the next line, and create headings

` Bold Face `

`<I> Italics </I>`

`<U> Underline </U>`

`<P> New Paragraph </P>`

`
 Next Line`

- `<pre>` - preformatted text - it preserves both spaces and line break

- `<i>` - Italic text

- `` - Bold text

- `<u>` - underlined text

- `` - Important text

- `<tt>` - Teletype text

- `` - Emphasized text

- `<blink>` - blink text

- `<mark>` - Marked text

- `<small>` - Small text

- `` - Deleted text

- `<ins>` - Inserted text

- `<sub>` - Subscript text

- `<sup>` - Superscript text

- `<strike>` - Strikethrough text

- ` ` - non breaking space

`` and `` Elements

The HTML `` element defines bold text, without any extra importance. The HTML `` element defines text with strong importance. The content inside is typically displayed in bold.

`<i>` and `` Elements

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 `` element defines emphasized text. The content inside is typically displayed in italic.

Paragraph `<p></p>` , Attribute – align,dir,title

A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.

Horizontal Rules

The <hr> tag defines a thematic break in an HTML page, and is most often displayed as a horizontal rule. The <hr> element is used to separate content (or define a change) in an HTML page.

Line Breaks

The HTML
 element defines a line break. Use
 if you want a line break (a new line) without starting a new paragraph.

Changing the Font

The expression ... can be used to change the font of the enclosed text. To change the size of text use the expression where n is a number between 1 and 7. To change the color, use ; The color can also be defined using hexadecimal representation (Example: #ffffff). These attributes can be combined to change the font, size, and color of the text all at once; For example,

Headings

Web pages are typically organized into sections with headings; To create a heading use the expression <Hn>....</Hn> where n is a number between 1 and 6. In this case, the 1 corresponds to the largest size heading while the 6 corresponds to the smallest size. <h1> defines the most important heading. <h6> defines the least important heading. Headings Are Important - Search engines use the headings to index the structure and content of your web pages.

Aligning Text

The ALIGN attribute can be inserted in the <P> and <Hn> tags to right justify, center, or left justify the text. For example, <H1 ALIGN=CENTER> The New York Times </H1> would create a centered heading of the largest size.

Comment Statements

Comment statements are notes in the HTML code that explain the important features of the code. The comments do not appear on the Web page itself but are a useful reference to the author of the page and other programmers. To create a comment statement use the <!-- --> tags.

Example:

```
<!-- This is a comment --> <p>This is a paragraph.</p>
```

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

Hello world

Hello

Hello

Hello

~~Hello~~

Hello

Hello

Hello

H₂O

x²

Hi I am a programmer. Currently i am Studing.

RAINBOW

Google
demo



E-Doc Appointment

I. Dishen

II. Dhruv

III. Sharwil

Title 1

Description

Title 2

Description

Title 3

Description

Body

Try

Head

2. Demonstrate various list tag with its attributes in html.

HTML lists allow web developers to group a set of related items in lists.

1. Ordered List
2. Unordered List
3. Definition List
4. Nested List

1. Ordered Lists

Ordered lists are a list of numbered items.

To create an ordered list, type:

```
<OL>
<LI> This is step one.
<LI> This is step two.
<LI> This is step three.
</OL>
```

The TYPE=x attribute allows you to change the the kind of symbol that appears in the list.

- A is for capital letters
- a is for lowercase letters
- I is for capital roman numerals
- i is for lowercase roman numerals
- 1 is for numbering

By default, an ordered list will start counting from 1. If you want to start counting from a specified

number, you can use the start attribute

2. Unordered Lists

An unordered list is a list of bulleted items

To create an unordered list, type:

```
<UL>
<LI> First item in list
<LI> Second item in list
<LI> Third item in list
</UL>
```

The TYPE=shape attribute allows you to change the type of bullet that appears

- circle corresponds to an empty round bullet
- square corresponds to a square bullet
- disc corresponds to a solid round bullet; this is the default value.

3. 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

```
<dl>
<dt>Title 1</dt>
<dd>- Description</dd>
<dt>Title 2</dt>
<dd>- Description</dd>
</dl>
```

4. Nested Lists

Lists can be nested (list inside list).

```
<ul>
<li>ABC</li>
<li>PQR
<ul>
<li>P</li>
<li>Q</li>
</ul>
</li>
<li>XYZ</li>
</ul>
```

3. Demonstrate table tag with its elements and attributes.

Tables can be used to display rows and columns of data, create multi-column text, captions for images, and sidebars. The `<TABLE>` tag is used to create a table; the `<TR>` tag defines the beginning of a row while the `<TD>` tag defines the beginning of a cell. Adding a Border The `BORDER=n` attribute allows you to add a border n pixels thick around the table. To make a solid border color, use the `BORDERCOLOR="color"` attribute. To make a shaded colored border, use `BORDERCOLORDARK="color"` and `BORDERCOLORLIGHT="color"`.

```
<TABLE BORDER=10>
<TR>
<TD>One</TD>
<TD>Two</TD>
</TR>
<TR>
<TD>Three</TD>
<TD>Four</TD>
</TR>
</TABLE>
```

One	Two
Three	Four

Adjusting the Width When a Web browser displays a table, it often adds extra space. To eliminate this space use the `WIDTH=n` attribute in the `<TABLE>` and `<TD>` tags. Keep in mind - a cell cannot be smaller than its contents, and if you make a table wider than the browser window, users will not be able to see parts of it.

Centering a Table

There are two ways to center a table

- Type `<TABLE ALIGN=CENTER>`
- Enclose the `<TABLE>` tags in opening and closing `<CENTER>` tags

Wrapping Text around a Table

It is possible to wrap text around a table. This technique is often used to keep images and captions together within an article. To wrap text around a table, type `<TABLE ALIGN = LEFT>` to align the table to the left while the text flows to the right.

Create the table using the `<TR>`, `<TD>`, and `</TABLE>` tags as you normally would

Adding Space around a Table

To add space around a table, use the HSPACE=n and VSPACE=n attributes in the <TABLE> tag
Example:

```
<TABLE HSPACE=20 VSPACE=20>
```

Spanning Cells Across Columns

It is often necessary to span one cell across many columns. For example, you would use this technique to span a headline across the columns of a newspaper article.

To span a cell across many columns, type <TD COLSPAN=n>, where n is the number of columns to be spanned. To span a cell across many rows, type <TD ROWSPAN=n>, where n is the number of rows.

Aligning Cell Content

By default, a cell's content are aligned horizontally to the left and vertically in the middle.

Use VALIGN=direction to change the vertical alignment, where "direction" is top, middle, bottom, or baseline. Use ALIGN=direction to change the horizontal alignment where "direction" is left, center, or right.

Controlling Cell Spacing

Cell spacing is the space between cells while cell padding is the space around the contents of a cell.

To control both types of spacing, use the CELLSPACING =n and CELLPADDING=n attributes in the <TABLE> tag.

4. Create below table layout using HTML

<ol style="list-style-type: none"> 1. abc 2. def 3. ghi 	<ul style="list-style-type: none"> • pqr • xyz • aqa
Google	

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Table</title>
</head>
<body>
  <table border="1">
    <tr>
      <td width="100" height="100">
        <ol>
          <li>
            abc
```

```

        </li>
        <li>
            def
        </li>
        <li>
            ghi
        </li>
    </ol>
</td>
<td width="100" height="100">
    <ul>
        <li>pqr</li>
        <li>xyz</li>
        <li>aqa</li>
    </ul>
</td>
</tr>
<tr align="center">
    <td width="100" height="100">
        <a href="www.google.com">Google</a>
    </td>
    <td width="100" height="100">
        
    </td>
</tr>
</table>
</body>
</html>

```

A		
B	C	D
	E	F
H	I	J

```


<!DOCTYPE html>
<html lang="en">
<head>
    <title>Table</title>
</head>
<body>
    <table width="500px" height="500px" border="1">
        <tr align="center">

```

```

        <td colspan="4">A</td>
    </tr>
    <tr align="center">
        <td rowspan="2">B</td>
        <td colspan="2">C</td>
        <td>D</td>
    </tr>
    <tr align="center">
        <td>E</td>
        <td>F</td>
        <td>G</td>
    </tr>
    <tr align="center">
        <td>H</td>
        <td>I</td>
        <td colspan="2">J</td>
    </tr>
</table>
</body>
</html>

```

<i>A</i>	<i>B</i>	<u>C</u>
X²	X₂	X
I. Hello B. World	<ul style="list-style-type: none"> ■ ABC ○ XYZ ● PQR 	

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Table</title>
</head>
<body>
<table border="1">
    <tr align="center">
        <td width="100" height="100">A</td>
        <td width="100" height="100">B</td>
        <td width="100" height="100">C</td>
    </tr>
    <tr align="center">
        <td width="100" height="100">X<sup>2</sup></td>
        <td width="100" height="100">X<sub>2</sub></td>
        <td width="100" height="100"><del>X</del></td>
    </tr>
    <tr align="center">
        <td width="100" height="100">

```

```

        <ol>
          <li type="I">Hello</li>
          <li style="list-style-type:upper-alpha" type="A">World</li>
        </ol>
      </td>
      <td width="100" height="100">
        <ul>
          <li type="square">ABC</li>
          <li type="circle">PQR</li>
          <li type="">XYZ</li>
        </ul>
      </td>
      <td width="100" height="100">
        
      </td>
    </tr>
  </table>
</body>
</html>

```

Position	Name	City
Sales Manager	I. Hawthron II. Greenshield	A. UK B. Netherland

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Table</title>
</head>
<body>
<table border="1" width="100px" height="100px">
  <tr align="center">
    <td><b>Position</b></td>
    <td><b>Name</b></td>
    <td><b>City</b></td>
  </tr>
  <tr align="center">
    <td>Sales Manager</td>
    <td>
      <ol>
        <li>Dishen</li>
        <li>Dhruv</li>
      </ol>
    </td>
    <td>
      <ol>
        <li type="A">UK</li>
        <li type="A">Austrelia</li>
      </ol>
    </td>
  </tr>

```

```

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

```

First	Second	Third
Computer	Civil	
Result		:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Table</title>
</head>
<body>
<table border="1" width="200px" height="200px">
    <tr align="center">
        <td>First</td>
        <td>Second</td>
        <td>Third</td>
    </tr>
    <tr align="center">
        <td>Computer</td>
        <td rowspan="2">Civil</td>
        <td></td>
    </tr>
    <tr align="center">
        <td>Results</td>
        <td></td>
    </tr>
</table>
</body>
</html>

```

	Exam Time Table		
	GreenPark	Oxford	Euston
12/10/2012	WT	TOC	CU
13/10/2012	TOC	CU	WT


```

<table border="1" width="400px" height="200px">
  <tr align="center">
    <td rowspan="2"></td>
    <td colspan="3">Exam Time Table</td>
  </tr>
  <tr align="center">
    <td>GreenPark</td>
    <td>Oxford</td>
    <td>Euston</td>
  </tr>
  <tr align="center">
    <td>12/10/2020</td>
    <td>WP</td>
    <td>TOC</td>
    <td>CU</td>
  </tr>
  <tr align="center">
    <td>13/10/2020</td>
    <td>TOC</td>
    <td>CU</td>
    <td>WP</td>
  </tr>
</table>

```

January		February	
March	1	2	
	3	4	

```

<table border="1" width="400px" height="200px">
  <tr align="center">
    <td colspan="2">January</td>
    <td colspan="2">February</td>
  </tr>
  <tr align="center">
    <td rowspan="2">March</td>
    <td>1</td>
    <td colspan="2">2</td>
  </tr>
  <tr align="center">
    <td>3</td>
    <td colspan="2">4</td>
  </tr>
</table>

```

India			
Aus	USA		Spain
	Switerland	Italy	Japan
China	Myanmar	SouthKorea	

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Table</title>
</head>
<body>
<table border="1" width="200px" height="200px">
  <tr>
    <td colspan="4">India</td>
  </tr>
  <tr>
    <td rowspan="2">AUS</td>
    <td colspan="2">USA</td>
    <td>Spain</td>
  </tr>
  <tr>
    <td>Switerland</td>
    <td>Italy</td>
    <td rowspan="2">Japan</td>
  </tr>
  <tr>
    <td>China</td>
    <td>Myanmar</td>
    <td>SouthKorea</td>
  </tr>
</table>
</body>
</html>

```

	Average		Other Category
	Height	Width	
Males	1.9	0.003	YYY
Female	1.7	0.002	XXX

```

<table border="1" width="400px" height="200px">
  <tr align="center">
    <td rowspan="2"></td>
    <td colspan="2">Average</td>
    <td rowspan="2">Other Category</td>
  </tr>
  <tr>
    <td>Height</td>
    <td>Width</td>
  </tr>
  <tr>
    <td>Males</td>
    <td>1.9</td>
    <td>0.003</td>
    <td>YYY</td>
  </tr>
  <tr>
    <td>Female</td>
    <td>1.7</td>
    <td>0.002</td>
    <td>XXX</td>
  </tr>
</table>

```

```

</tr>
<tr align="center">
  <td>Height</td>
  <td>Width</td>
</tr>
<tr align="center">
  <td>Male</td>
  <td>1.9</td>
  <td>0.003</td>
  <td>YYY</td>
</tr>
<tr align="center">
  <td>Female</td>
  <td>1.7</td>
  <td>0.002</td>
  <td>XXX</td>
</tr>
</table>

```

A	B	C		D	E	
	F	G	H	I		
	J	K		L	M	N
O		P		Q		

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Table</title>
</head>
<body>
  <table border="1" width="400px" height="200px">
    <tr align="center">
      <td rowspan="3">A</td>
      <td>B</td>
      <td colspan="2">C</td>
      <td>D</td>
      <td colspan="2" rowspan="2">E</td>
    </tr>
    <tr align="center">
      <td>F</td>
      <td>G</td>
      <td rowspan="3">H</td>
      <td>I</td>
    </tr>
    <tr align="center">
      <td rowspan="2">J</td>
      <td>K</td>

```

```
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
<tr align="center">
  <td>O</td>
  <td>P</td>
  <td colspan="3">Q</td>
</tr>
</table>
</body>
</html>
```

Assignment 3

1. Demonstrate the various form element and its attributes and create one simple registration form as per your requirement.

HTML <form> Elements

The HTML <form> element can contain one or more of the following form elements:

```
<input>
<label>
<select>
<textarea>
<button>
<fieldset>
<legend>
<option>
<optgroup>
```

The <input> Element

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

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

Creating Text Boxes

To create a text box, type <INPUT TYPE="text" NAME="name" VALUE="value" SIZE=n MAXLENGTH=n>

The NAME, VALUE, SIZE, and MAXLENGTH attributes are optional

TEXTAREA

To create larger text areas, type <TEXTAREA NAME="name" ROWS=n1 COLS=n2 WRAP> Default Text </TEXTAREA>, where n1 is the height of the text box in rows and n2 is the width of the text box in characters.

Creating Radio Buttons

To create a radio button, type <INPUT TYPE="radio" NAME="name" VALUE="data">Label, where "data" is the text that will be sent to the server if the button is checked and "Label" is the text that identifies the button to the user.

Creating Checkboxes

To create a checkbox, type <INPUT TYPE="checkbox" NAME="name" VALUE="value">Label
If you give a group of radio buttons or checkboxes the same name, the user will only be able to select one button or box at a time.

Creating Drop-down Menus

To create a drop-down menu, type <SELECT NAME="name" SIZE=n MULTIPLE>

Then type <OPTION VALUE="value">Label

In this case the SIZE attribute specifies the height of the menu in lines and MULTIPLE allows users to select more than one menu option

<optgroup> - Group related options

Attribute of optgroup – label , disabled

Attribute of option – selected , value

Creating a Submit Button

To create a submit button, type `<INPUT TYPE="submit">`

If you would like the button to say something other than submit, use the VALUE attribute.

<label> Element

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.

Creating a Reset Button

To create a reset button, type `<INPUT TYPE="reset">`

The VALUE attribute can be used in the same way to change the text that appears on the Button.

FIELDSET , LEGEND

fieldset - group related data in a form

legend - defines a caption for the `<fieldset>` element.

Example :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Dishen</title>
</head>
<body>
  <form>
    <fieldset style="width: 30%">
      <legend>User Info</legend>
      <label for="fname">First name:</label><br>
      <input type="text" id="fname" name="fname"><br>
      <label for="lname">Last name:</label><br>
      <input type="text" id="lname" name="lname"><br>
      <label for="age">Age:</label><br>
      <input type="number" id="age" name="age"><br>
      <label for="email">Email:</label><br>
      <input type="email" id="email" name="email"><br>
      <label for="gender">Gender:</label><br>
      <input type="radio" id="male" name="gender" checked>Male<br>
      <input type="radio" id="female" name="gender">Female<br>
      <label for="phnno">Phone Number:</label><br>
      <input type="number" id="phnno" name="phnno"><br>
      <label for="hobby">hobby:</label><br>
      <input type="checkbox" id="cricket" name="hobby" checked>Cricket<br>
      <input type="checkbox" id="coding" name="hobby">Coding<br>
      <input type="checkbox" id="learning" name="hobby">Learning<br>
      <input type="submit" value="Submit">
    </fieldset>
  </form>
</body>
```

</html>

User Info

First name:

Last name:

Age:

Email:

Gender:
☒ Male
☐ Female

Phone Number:

hobby:
☒ Cricket
☐ Coding
☐ Learning

2. Design Login Page HTML. Page must have fields in page Username, Password, Remember Me and Login Button.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Dishen</title>
</head>
<body>
<form>
  <fieldset style="width: 30%">
    <legend>User Info</legend><br>
    <label for="fname">User name : </label>
    <input type="text" id="fname" name="fname"><br><br>
    <label for="password">Password : </label>
    <input type="password" id="password" name="password"><br><br>
  
```

```

        <input type="checkbox" id="remember" name="RememberMe"> Remember Me
        <br><br>
        <input type="submit" value="Submit">
    </fieldset>
</form>
</body>
</html>

```

The image shows a web form titled "User Info" enclosed in a rectangular border. Inside the form, there are four elements: a text input field preceded by the label "User name :", a text input field preceded by the label "Password :", a checkbox followed by the text "Remember Me", and a button labeled "Submit".

3. Design Registration page in HTML

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Dishen</title>
</head>
<body>
<form>
    <fieldset style="width: 30%">
        <legend>Registration Form</legend>
        <label for="fname">User name : </label><br>
        <input type="text" id="fname" name="fname"><br>
        <label for="password">Password : </label><br>
        <input type="password" id="password" name="password"><br>
        <label for="email">Email:</label><br>
        <input type="email" id="email" name="email"><br>
        <label for="phnno">Phone Number:</label><br>
        <input type="number" id="phnno" name="phnno"><br>
        <label for="gender">Gender:</label><br>
    </fieldset>
</form>

```



```

<input type="radio" id="male" name="gender" checked>Male<br>
<input type="radio" id="female" name="gender">Female<br>
<label for="hobby">hobby:</label><br>
<input type="checkbox" id="cricket" name="hobby" checked>Cricket<br>
<input type="checkbox" id="coding" name="hobby">Coding<br>
<input type="checkbox" id="learning" name="hobby">Learning<br><br>
<label for="Address">Address:</label><br>
<textarea name="feedback" id="feedback" cols="30" rows="10"
  wrap="soft">Type Your Feedback here.</textarea><br><br>
<label for="city">Choose a City:</label>
<select name="city" id="city" form="cityform">
  <option value="">---Select a card type---</option>
  <option value="volvo">abd</option>
  <option value="saab">vadodara</option>
  <option value="opel" selected>Rajkot</option>
  <option value="audi">Surat</option>
</select><br><br>
<label for="state">Choose a State:</label>
<select name="state" id="state" form="stateform">
  <option value="">---Select a card type---</option>
  <option value="volvo" selected>Gujarat</option>
  <option value="saab">Maharastra</option>
  <option value="opel">Delhi</option>
  <option value="audi">UP</option>
</select><br><br>
<input type="submit" value="Submit">
</fieldset>
</form>
</body>
</html>

```

Registration Form

User name :

Password :

Email:

Phone Number:

Gender:

☒ Male

☐ Female

hobby:

☒ Cricket

☐ Coding

☐ Learning

Address:

Type Your Feedback here.

Choose a City:

Choose a State:

4. Write a form to collect details of a user such as name, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author and comments for the last book he read.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Dishen</title>
</head>
<body>
<form >
  <legend style="float:right">User Info</legend>
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname"><br><br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname"><br>
  <br>
  <label for="address">Address:</label><br>
  <textarea name="address" id="adress" cols="30" rows="10" wrap="soft">Type Your Address
here.</textarea>
  <br>
  <label for="book">Subject of Book:</label>
  <input type="radio" id="Science" name="book" checked>Science
  <input type="radio" id="Commerce" name="book">Commerce
  <input type="radio" id="Arts" name="book">Arts
  <br><br>
  <label for="authors">Favorite Author:</label>
  <select name="author" id="author" form="authorform">
    <option value="">---Select a Author---</option>
    <option value="ram">Ram</option>
    <option value="raj">Raj</option>
    <option value="gopal">Gopal</option>
    <option value="varma">Varma</option>
  </select>
  <textarea name="feedback" id="feedback" cols="30" rows="10" wrap="soft">Type Your
Feedback here.</textarea>
</form>
</body>
</html>

```

First name:

Last name:

Address:

Type Your Address here.

Subject of Book:

☒ Science
☐ Commerce
☐ Arts

Favorite Author:

---Select a Author---

Type Your Feedback here.

User Info

5. Demonstrate the use of meta tag and character entities.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="author" content="DISHEN MAKWANA">
  <meta name="keywords" content="HTML, Meta Tag, Metadata">
  <meta name="description" content="Learning about Meta Tags.">

```

```

<meta name="revised" content="DISHEN MAKWANA, 22/02/2021">
<meta http-equiv="refresh" content="10; url=http://verywellhealth.herokuapp.com/">
<meta http-equiv="cookie" content="userid=DISHEN, expires=Wednesday, 24-Feb-21 23:59:59
GMT;">
<meta http-equiv="Content-Type" content="text/html">
<title>Meta Info</title>
</head>
<body>
<h1>Meta Tag Example so you can not See anything Here</h1>
&pound;
&copy;
&reg;
&cent;
&#8377;
</body>
</html>

```

Meta Tag Example so you can not See anything Here

£ © ® ¢ ₹

6. Demonstrate the use of frameset and iframe.

```

<html>
  <head>
    <title>
      iframe
    </title>
  </head>
  <body>
    <iframe src="../../Assignment-5/logo.png" height="500" width="500"></iframe>
  </body>
</html>

<frameset>
  <frameset rows="150,*,260" , cols="*,*" />
  <frame name="f1" src="demo.html" scrolling="no" />
  <frame name="f2" src="Form.html" scrolling="no" />

  <frame name="f3" src="Form.html" scrolling="no" />
  <frame name="f4" src="demo.html" scrolling="no" />

  <frame name="f5" src="demo.html" scrolling="no" />
  <frame name="f5" src="Form.html" scrolling="no" />
</frameset>

```

1. Assignment - 1 2. Assignment - 2 3. Assignment - 3 4. Assignment - 4	1. Assignment - 1 2. Assignment - 2 3. Assignment - 3 4. Assignment - 4
<h2>My Assignment List</h2>	<h2>Nicole King</h2> <p>Sometown, VA 55555 Cell: (555) 555-5555 Email: nk@somedomain.com • LinkedIn URL</p> <hr/> <p>Emergency Medical Technician • EMT-B</p> <hr/> <p>Certified EMT and dedicated member of emergency response teams delivering fast, quality care during medical emergencies, accidents, fires, natural disasters and other crisis scenarios. Passionate medical services provider who remain calm under pressure and react swiftly in urgent and life-threatening situations</p> <hr/> <p>EMT Skills</p> <hr/>
<h2>Hello World</h2> <p>Hello World</p> <p>Hello World</p> <p>Hello World</p> <p>Hello World</p> <p>Hello World</p>	I. A X II. B Y III. C Z <ul style="list-style-type: none"> ◦ ABC ◦ XYZ ◦ PQR

Assignment 4

Build the HTML Layout as per predefined requirement.

1. Resume Layout as given in your lab.

```

<!DOCTYPE html>
<html lang="en-US">
<head class="at-element-marker">
  <title>Resume</title>
</head>
<body>
  <!-- <fieldset align="center" style="width: 80%"> -->
  <!-- <legend>Resume</legend> -->
  <table width="850px" align="center" style="border: 3px solid black; border-collapse: collapse;">
    <tr>
      <td style="padding-right: 30px; padding-left: 30px;">
        <div style="text-align: center;">
          <h1 style="text-align: center;"><strong>Nicole King</strong></h1>
          Sometown, VA 55555 | Cell: (555) 555-5555<br>
          Email: nk@somedomain.com •&nbsp;LinkedIn URL</p>
        </div>
        <h3 style="text-align: center; border-bottom: 0.5px solid black;">Emergency Medical
Technician
        &blacksquare; EMT-B</h3>
        Certified EMT and dedicated member of emergency response teams delivering fast, quality
care during
        medical emergencies, accidents, fires, natural disasters and other crisis scenarios. Passionate
medical
        services provider able to remain calm under pressure
        and react swiftly in urgent and life-threatening situations
        <h3 style="text-align: center; border-bottom: 0.5px solid black;">EMT Skills</h3>
        <div>
          <div style="display: inline-block;">
            <ul style="list-style-type: square;">
              <li>Emergency Medicine</li>
              <li>Intubations & Infusions</li>
              <li>First Aid & CPR</li>
              <li>Airway Management</li>
              <li>Patient Stabilization</li>
            </ul>
          </div>
          <div style="display: inline-block;">
            <ul style="list-style-type: square;">
              <li>Patient Assessment & Vitals</li>
              <li>Medication & IV Administration</li>
              <li>Emergency Vehicle Operations</li>
              <li>Ambulatory Transport</li>
              <li>Medical Terminology</li>
            </ul>
          </div>
        </div>
      </td>
    </tr>
  </table>

```

```

    </ul>
  </div>
  <div style="display: inline-block;">
    <ul style="list-style-type: square;">
      <li>Pre-Hospital Emergency Care</li>
      <li>Rescue & Medical Equipment</li>
      <li>Splinting & Bleeding Control</li>
      <li>Patient Care Documentation</li>
      <li>Incident Command Systems (ICS)</li>
    </ul>
  </div>
</div>
<h3 style="text-align: center; border-bottom: 0.5px solid black;">Professional
Experience</h3>
  <div style="text-align: center;">ABC AMBULANCE COMPANY • Sometown, VA<br>
Emergency Medical Technician
  (EMT), 2014 to Present</div> <br> Following completion of EMT trainee program, hired as
a full-time
  EMT by private ambulance company. Work collaboratively with emergency
  services personnel in responding to 911-dispatched calls to provide pre-hospital urgent care,
life
  support and patient transport.
  <div>
    <h3 style="text-align: center;">Achievements : </h3>
    <div>
      <ul style="list-style-type: square;">
        <li>Leveraged comprehensive knowledge of emergency medicine to assess, treat, stabilize
and
          transport seriously ill or injured patients to area hospitals and trauma centers.</li>
        <br>
        <li>Provided skillful medical care to revive and stabilize patients suffering from traumatic
          injuries, cardiac arrest, strokes, seizures, drug overdoses, hypothermia and other
          serious conditions</li><br>
        <li>Calmed and reassured patients and family members, enabling accurate gathering of
crucial
          information (e.g., allergies, medications, pain levels) to aid in care decisions.</li>
        <br>
        <li>Served on taskforce that researched, selected and installed GPS navigation system
          providing ambulance drivers with real-time traffic and road conditions. This new
          technology accelerated emergency response-time by 20% during
          a.m. and p.m. rush hours.</li><br>
        <li>Honored with "EMT Star" award following recommendation and implementation of
inventory
          management program that ensured timely replacement of expired medication and outdated
          supplies.</li>
      </ul>
    </div>
  </div>
</div>
<div>
  <h3 style="text-align: center; border-bottom: 0.5px solid black;">Education</h3>

```



```

    <p style="text-align: center;">DEF COLLEGE • Sometown, VA <br> &hyphen; Accredited
by Commission on
    Accreditation of Health Education Programs- <br>
    <b>Associate of Applied Science in Emergency Medical Services (EMS)</b>
</p>
<b><i>Certifications : </i></b>
<ul style="list-style-type:square;">
    <li>Virginia Emergency Medical Technician-Basic (EMT-B)</li>
    <li>ACLS, BLS, PALS, First Aid, CPR,AED</li>
    <li>Geriatric Education for Emergency Medical Services (GEMS)</li>
    <li>Prehospital Trauma Life Support (PHTLS)</li>
    <li>Emergency Vehicle Operators Course (EVOC), Virginia</li>
</ul>
</div>
</td>
</tr>
</table>
<!-- </fieldset> -->
</body>
</html>

```

Nicole King

Sometown, VA 55555 | Cell: (555) 555-5555
Email: nk@somedomain.com • LinkedIn URL

Emergency Medical Technician • EMT-B

Certified EMT and dedicated member of emergency response teams delivering fast, quality care during medical emergencies, accidents, fires, natural disasters and other crisis scenarios. Passionate medical services provider able to remain calm under pressure and react swiftly in urgent and life-threatening situations

EMT Skills

- Emergency Medicine
- Intubations & Infusions
- First Aid & CPR
- Airway Management
- Patient Stabilization
- Patient Assessment & Vitals
- Medication & IV Administration
- Emergency Vehicle Operations
- Ambulatory Transport
- Medical Terminology
- Pre-Hospital Emergency Care
- Rescue & Medical Equipment
- Splinting & Bleeding Control
- Patient Care Documentation
- Incident Command Systems (ICS)

Professional Experience

ABC AMBULANCE COMPANY • Sometown, VA
Emergency Medical Technician (EMT), 2014 to Present

Following completion of EMT trainee program, hired as a full-time EMT by private ambulance company. Work collaboratively with emergency services personnel in responding to 911-dispatched calls to provide pre-hospital urgent care, life support and patient transport.

Achievements :

- Leveraged comprehensive knowledge of emergency medicine to assess, treat, stabilize and transport seriously ill or injured patients to area hospitals and trauma centers.
- Provided skillful medical care to revive and stabilize patients suffering from traumatic injuries, cardiac arrest, strokes, seizures, drug overdoses, hypothermia and other serious conditions
- Calmed and reassured patients and family members, enabling accurate gathering of crucial information (e.g., allergies, medications, pain levels) to aid in care decisions.
- Served on taskforce that researched, selected and installed GPS navigation system providing ambulance drivers with real-time traffic and road conditions. This new technology accelerated emergency response-time by 20% during a.m. and p.m. rush hours.
- Honored with "EMT Star" award following recommendation and implementation of inventory management program that ensured timely replacement of expired medication and outdated supplies.

Education

DEF COLLEGE • Sometown, VA
- Accredited by Commission on Accreditation of Health Education Programs-
Associate of Applied Science in Emergency Medical Services (EMS)

Certifications :

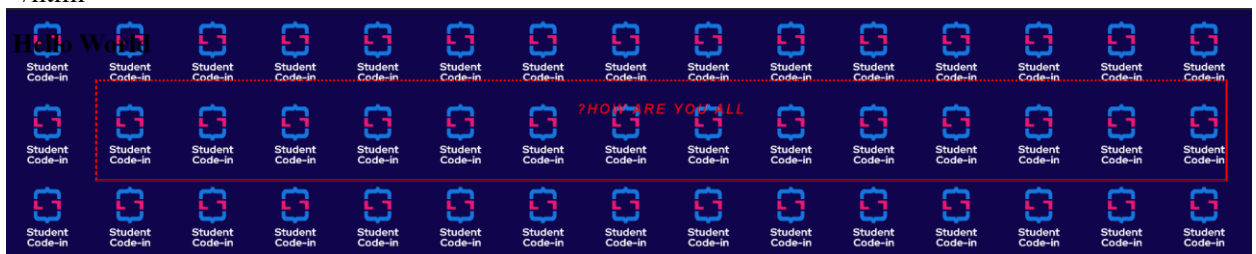
- Virginia Emergency Medical Technician-Basic (EMT-B)
- ACLS, BLS, PALS, First Aid, CPR, AED
- Geriatric Education for Emergency Medical Services (GEMS)
- Prehospital Trauma Life Support (PHTLS)
- Emergency Vehicle Operators Course (EVOC), Virginia

Assignment 5

Study and Implement different types of Style Sheet with all properties and their values.

1. Demonstrate the use of background and text manipulation property.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Background & Text</title>
    <style>
      body {
        background-image: url('../sci.jpg');
        background-repeat: repeat;
        background-size: 100px 100px;
      }
      p {
        text-align: center;
        color: red;
        direction: rtl;
        vertical-align: top;
        font-family: Arial;
        font-style: italic;
        border-style: dotted solid double dashed;
        border-color: red;
        margin: 25px 50px 75px 100px;
        padding: 25px 50px 75px 100px;
        text-transform: uppercase;
        text-indent: 50px;
        letter-spacing: 3px;
      }
    </style>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>How are you all?</p>
  </body>
</html>
```



2. Demonstrate the use of margin, padding and border property.

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Margin Padding Border</title>
    <style>
      p {
        text-align: center;
        color: red;
        direction: rtl;
        vertical-align: top;
        font-family: Arial;
        font-style: italic;
        border-style: dotted solid double dashed;
        border-color: red;
        margin: 25px 50px 75px 100px;
        padding: 25px 50px 75px 100px;
        text-transform: uppercase;
        text-indent: 50px;
        letter-spacing: 3px;
      }
    </style>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>How are you all?</p>
  </body>
</html>

```

Hello World

?HOW ARE YOU ALL

3. Demonstrate the use of CSS List and Positioning.

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>CSS POSITION</title>
    <style>
      @keyframes example {
        from {
          background-color: red;

```

```

    }

    to {
        background-color: yellow;
    }
}

@keyframes animation1 {
    0% {
        background-color: blue;
        top: 0px;
        left: 0px;
    }

    25% {
        background-color: red;
        top: 0px;
        left: 200px;
    }

    50% {
        background-color: yellow;
        top: 200px;
        left: 200px;
    }

    75% {
        background-color: green;
        top: 200px;
        left: 0px;
    }

    100% {
        background-color: blue;
        top: 0px;
        left: 0px;
    }
}

.div7 {
    width: 100px;
    height: 100px;
    background-color: red;
    animation: example 4s;
    animation-iteration-count: 10;
}

.div8 {
    width: 100px;
    height: 100px;
    background-color: blue;

```

```
    position: relative;
    animation: animation1 6s;
    animation-iteration-count: infinite;
    animation-timing-function: cubic-bezier(0.165, 0.84, 0.44, 1);
    animation-fill-mode: backwards;
  }

  div {
    width: 100px;
    height: 100px;
  }

  .div1 {
    border: 3px solid red;
    position: static;
    top: 100px;
    left: 100px;
    z-index: -1;
  }

  .div2 {
    border: 3px solid green;
    position: absolute;
    top: 50px;
    left: 50px;
    z-index: 1;
  }

  .div3 {
    border: 3px solid blue;
    position: relative;
    top: 25px;
    left: 25px;
  }

  .div4 {
    border: 3px solid aquamarine;
    position: fixed;
    bottom: 50px;
    right: 50px;
  }

  .tooltip {
    position: relative;
    display: inline-block;
    border-bottom: 1px dashed blue;
  }

  .tooltiptext {
    visibility: hidden;
    width: 100px;
```

```

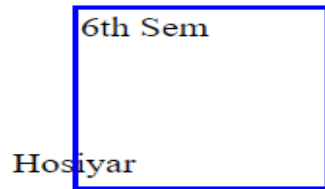
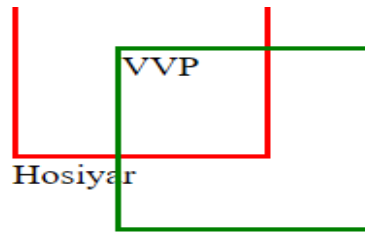
        background-color: #d3d3d3;
        color: aquamarine;
        text-align: center;
        padding: 3px 2px;
        border-radius: 5px;
        position: absolute;
        z-index: 1;
    }

    .tooltip:hover .tooltiptext {
        visibility: visible;
    }

    ul {
        list-style-type: disc;
        /* list-style-image: url('../sci.jpg'); */
        list-style-position: inside;
    }
</style>
</head>

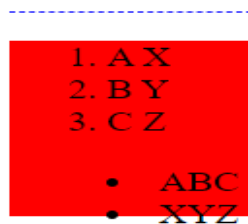
<body>
    <div class="div1">Hello World</div>
    <div class="div2">VVP</div>
    <div class="div5">Hosiyar</div>
    <div class="div3">6th Sem</div>
    <!-- <div class="div4">G2</div>
    <div class="div5">Hosiyar</div> -->
    <div class="div6">Hosiyar</div>
    <div class="div6">Hosiyar</div>
    <!-- <div class="div7">KeyFrame</div> -->
    <!-- <div class="div8">KeyFrame2</div> -->
    <div class="tooltip">
        Hover over me
        <span class="tooltiptext">Tooltiptext</span>
    </div>
    <div class="div7">
        <ol>
            <li>A X</li>
            <li>B Y</li>
            <li>C Z</li>
        </ol>
        <ul>
            <li>ABC</li>
            <li>XYZ</li>
            <li>PQR</li>
        </ul>
    </div>
</body>
</html>

```



Hosiyar

Hover over me



4. Demonstrate the use of CSS Gradients.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>GRADIENT</title>
  <style>
    div {
      height: 300px;
      background-color: aqua;
```



```

/*background-image: linear-gradient(green, yellow);*/
background-image: linear-gradient(to right, green, yellow);
background-image: linear-gradient(to bottom right, green, yellow);
background-image: linear-gradient(
  to right,
  violet,
  indigo,
  blue,
  green,
  yellow,
  orange,
  red
);
background-image: radial-gradient(
  circle,
  red 10%,
  green 40%,
  yellow 50%
);
}
</style>
</head>

<body>
  <div></div>
</body>
</html>

```



5. Demonstrate the use of CSS Animation.

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>CSS POSITION</title>
    <style>
      @keyframes example {
        from {
          background-color: red;
        }

        to {

```

```

        background-color: yellow;
    }
}

@keyframes animation1 {
    0% {
        background-color: blue;
        top: 0px;
        left: 0px;
    }

    25% {
        background-color: red;
        top: 0px;
        left: 200px;
    }

    50% {
        background-color: yellow;
        top: 200px;
        left: 200px;
    }

    75% {
        background-color: green;
        top: 200px;
        left: 0px;
    }

    100% {
        background-color: blue;
        top: 0px;
        left: 0px;
    }
}

.div7 {
    width: 100px;
    height: 100px;
    background-color: red;
    animation: example 4s;
    animation-iteration-count: 10;
}

div {
    width: 100px;
    height: 100px;
}
</style>
</head>

```

```

<body>
  <div class="div7">KeyFrame</div>
  <div class="tooltip">
    Hover over me
    <span class="tooltiptext">Tooltiptext</span>
  </div>
</body>
</html>

```



6. Demonstrate the use of CSS Variables.

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Variable</title>
    <style>
      :root {
        --blue: #1e90ff;
        --white: #ffffff;
      }
      body {
        background-color: var(--blue);
      }
      h2 {
        border-bottom: 2px solid var(--blue);
      }
      p {
        --blue: #0000ff;
        color: var(--blue);
        background-color: var(--white);
        padding: 15px;
      }
    </style>
  </head>
  <body>
    <h2>Hello World</h2>
    <p>I am CSS Variable</p>
  </body>
</html>

```



Hello World

I am CSS Variable

7. Demonstrate the use of CSS Pseudo Class & Pseudo Elements.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>PSEUDO</title>
    <style>
      a:link {
        color: #ff0000;
      }

      a:visited {
        color: #00ff00;
      }

      a:hover {
        color: #ff00ff;
      }

      a:active {
        color: #0000ff;
      }

      div.first:hover {
        background-color: aqua;
      }

      div.first p::first-line {
        color: #ff00ff;
      }

      input:focus {
        border: 1px solid green;
      }

      input:hover {
        border: 1px solid red;
      }
    </style>
  </head>

  <body>
    <a href="https://google.com" target="_blank">GOOGLE</a>
    <div class="first">
```

```

Hello World
<a href="https://gtu.ac.in">GTU</a>
<p>
  Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui
  obcaecati beatae laborum commodi vel, ex sit labore dolore,
  corporis consequuntur odit. Totam laboriosam, laudantium
  repellendus quae voluptatibus architecto molestias beatae!
</p>
</div>
<div class="second">
  <h1>Hello World</h1>
</div>
</body>
</html>

```

Hello World

8. Write down HTML/CSS code to create table with 5 rows and 3 columns. Even no. of rows displays in green color and odd no. of rows display in yellow color.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Table with CSS</title>
<style>
  table {
    border: 1px solid blue;
    width: 300px;
    height: 300px;
    text-align: center;
    margin-left: auto;
    margin-right: auto;
  }

  tr {
    align-items: center;
    border: 1px solid green;
  }

  td:hover {
    background-color: aqua;
  }

  tr:nth-child(odd) {

```

```

        background-color: aquamarine;
    }

    tr:nth-child(even) {
        background-color: azure;
    }
</style>
</head>

<body>
<table>
<thead>
    <th>A</th>
    <th>B</th>
    <th>C</th>
    <th>D</th>
    <th>E</th>
</thead>
<tbody>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
</tbody>
<tfoot>
    <td>.</td>
    <td>.</td>

```

```

<td>.</td>
<td>.</td>
<td>.</td>
</tfoot>
</table>
</body>
</html>

```

A	B	C	D	E
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
-	-	-	-	-

9. Specify the CSS to provide; link: after visited blue color and before visited red color, table with odd rows white and even rows blue color.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Task</title>
  <style>
    body {
      background-image: url('../sci.jpg');
      background-repeat: repeat;
      background-size: 100px 100px;
    }

    .ul {
      list-style-type: square;
      background-color: aqua;
    }

    a:link {
      color: blue;
    }

    a:visited {
      color: red;
    }

    table {
      border: 1px solid blue;
      width: 300px;
      height: 300px;
      text-align: center;
      margin-left: auto;
    }
  </style>

```

```

        margin-right: auto;
    }

    tr {
        align-items: center;
        border: 1px solid green;
    }

    td:hover {
        background-color: aqua;
    }

    tr:nth-child(odd) {
        background-color: aquamarine;
    }

    tr:nth-child(even) {
        background-color: azure;
    }

    p {
        color: green;
        text-indent: 2rem;
        text-transform: uppercase;
    }
</style>
</head>
<body>
    <ul class="ul">
        <li>DISHEN</li>
        <li>MAKWANA</li>
    </ul>
    <br />
    
    <br />
    <a href="https://gtu.ac.in">GTU</a>
    <br />
    <table>
        <thead>
            <th>A</th>
            <th>B</th>
            <th>C</th>
            <th>D</th>
            <th>E</th>
        </thead>
        <tbody>
            <tr>
                <td>1</td>
                <td>2</td>
                <td>3</td>
                <td>4</td>
            </tr>
        </tbody>
    </table>

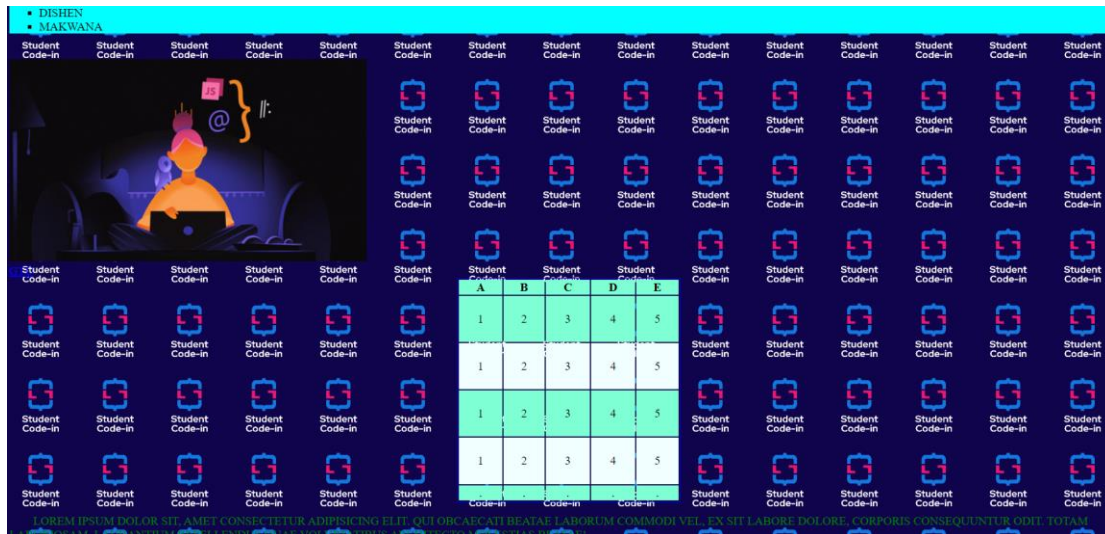
```



```

        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
    </tr>
</tbody>
<tfoot>
    <td>.</td>
    <td>.</td>
    <td>.</td>
    <td>.</td>
    <td>.</td>
</tfoot>
</table>
<!-- <br> -->
<p>
    Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui
    obcaecati beatae laborum commodi vel, ex sit labore dolore, corporis
    consequuntur odit. Totam laboriosam, laudantium repellendus quae
    voluptatibus architecto molestias beatae!
</p>
</body>
</html>

```



10. Write cascading style sheet to get following formatting for the paragraph.

Text color-green, Text-indentation – 2 cm, Font-courier, Font style-italic
Text case-uppercase

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Demo</title>
  <style>
    p {
      color: green;
      text-indent: 2cm;
      font-family: courier;
      font-style: italic;
      text-decoration: uppercase;
    }
  </style>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <h1>Hello World</h1>
  <p>How are you all?</p>
</body>
</html>
```

Hello World

How are you all?

Assignment 6

Build HTML & CSS Webpage as per predefined requirement.

1. GMAIL SIGNUP LAYOUT

```
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <div class="header">
      <div class="hleft">
        
      </div>
      <div class="hright">
        <button>Sign up</button>
      </div>
    </div>
    <div class="main">
      <div class="container">
        <div class="side-bar">
          <h3 style="color:red;float:center; display:block;text-align:left;margin-left:7px;">Create
a new Google Account</h3><br>
          <div class="container2"> <div class="img-inline"></div>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<div class="text-inline">Lorem ipsum dolor sit amet
consectetur adipisicing elit. Perferendis, modi. Quo est error veritatis qui illo a porro, saepe
excepturi harum hic architecto impedit commodi, accusantium aspernatur, explicabo assumenda
illum. Your Gmail account is more than ur account</div>
          </div>
        </div>
        <div class="parent">

          <div class="table1">
            <table cellpadding="5px">
              <tr>
                <td colspan="2">
                  <label id="lab"><b>Name</b></label>
                </td>
              </tr>
              <tr>
                <td>
                  <input type="text" id="inp"
                    placeholder="First">
                </td>
                <td>
                  <input id="inp" type="text"
                    placeholder="Last">
                </td>
              </tr>
            </table>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

```

</tr>
<tr>
  <td colspan="2">
    <label id="lab"><b>Choose Your Username</b></label>
  </td>
</tr>
<tr>
  <td colspan="2">
    <input type="text" id="inp"
      style="width:350px; height:30px">
  </td>
</tr>
<tr>
  <td colspan="2">
    <label id="lab"><b>Create a Password</b></label>
  </td>
</tr>
<tr>
  <td colspan="2">
    <input type="password" id="inp"
      style="width:350px; height:30px">
  </td>
</tr>
<tr>
  <td colspan="2">
    <label id="lab"><b>Confirm your Password</b></label>
  </td>
</tr>
<tr>
  <td colspan="2">
    <input type="password" id="inp"
      style="width:350px; height:30px">
  </td>
</tr>
<tr>
  <td colspan="2">
    <label id="lab"><b>Birthday</b></label>
  </td>
</tr>
<tr>
  <td colspan="2">
    <div style="width: 100%">
      <select class="month" name="month">
        <option value="month" selected>Month</option>
        <option value="jan">January</option><br>
        <option class="opt" value="feb">Februray</option><br>
        <option class="opt" value="mar">March</option><br>
        <option class="opt"
          value="aprl">April</option><br>
        <option class="opt" value="may">May</option><br>
        <option class="opt"

```

```

        value="june">June</option><br>
        <option class="opt"
        value="july">July</option><br>
        <option class="opt" value="aug">August</option><br>
        <option class="opt"
        value="sept">September</option><br>
        <option class="opt" value="oct">October</option><br>
        <option class="opt" value="nov">November</option><br>
        <option class="opt" value="dec">December</option><br>
    </select>
    <input type="text" class="elements"
    id="day" name="Day"
    placeholder="Day">
    <input type="text" class="elements"
    id="year" name="Year"
    placeholder="Year"><br>
</div>
</td>
</tr>
<tr>
    <td colspan="2">
        <label id="lab"><b>Gender</b></label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <select name="gender" class="elements"
        gender">
            <option value="i am" selected
            disabled hidden>I am...</option>
            <option value="female" class="opt">Female</option><br>
            <option value="male" class="opt">Male</option><br>
            <option value="other" class="opt">Other</option><br>
            <option value="notsay">Rather not
            say</option>
        </select>
    </td>
</tr>
<tr>
    <td colspan="2">
        <label id="lab"><b>Mobile Phone</b></label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <input type="text" class="elements"
        style="height: 34px;" value="+91">
    </td>
</tr>
<tr>
    <td colspan="2">

```

```

        <label id="lab"><b>Your current email
        address</b></label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <input type="text" class="elements"
        style="height: 34px;">
    </td>
</tr>
<tr>
    <td colspan="2">
        <label id="lab"><b>Prove you are not a
        robot</b></label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <input type="checkbox">Skip this
        verification(Phone verification may be
        required)
    </td>
</tr>
<tr>
    <td colspan="2">
        
    </td>
</tr>
<tr>
    <td colspan="2">
        <label id="lab"><b>Location</b></label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <select name="gender" class="elements
        gender">
            <option value="i am" selected
            disabled hidden>India</option>
            <option value="female" class="opt">Female</option><br>
        </select>
    </td>
</tr>
<tr>
    <td colspan="2">
        <input type="checkbox">I agree to the
        Google <a href="#">Terms of Service</a>
        and <a href="#">Privacy Policy</a>
    </td>
</tr>


```

```


        </tr>
        <tr>
            <td colspan="2">
                <input type="checkbox" checked>Google
                may use my account information to <br>personalize
                +1's content and ads on<br>non-Google
                websites. <a href="#">About
                Personalization</a>
            </td>
        </tr>
    </tr>
    <tr>
        <td></td>
        <td>
            <input value="Next Step" class="s-button
            ns-button">
        </td>
    </tr>
</table>
</div>

</div>
</div>
</div>
</div>
</body>
</html>

```

Sign up

Create a new Google Account



Lorem ipsum dolor sit amet
consectetur adipisicing elit.
Perferendis, modi. Quo est error
veritatis qui illo a porro, saepe
excepturi harum hic architecto
impedit commodi, accusantium
aspernatur, explicabo assumenda
illum. Your Gmail account is more
than ur account

Name

FirstLast

Choose Your Username

Create a Password

Confirm your Password

Birthday

Month

▼

Day

Year

Gender

I am...

▼


Mobile Phone

+91




Your current email address

Prove you are not a robot

☐ Skip this verification (Phone verification may be required)



Type the two pieces of text:

Location

India

▼

☐ I agree to the Google [Terms of Service](#) and [Privacy Policy](#)

☒ Google may use my account information to personalize +1's content and ads on non-Google websites. [About Personalization](#)

Next Step

Assignment 7

Study and Implement JavaScript with function and procedure.

1. Write an HTML and JavaScript program which accepts N as input and displays first N Fibonacci numbers as list.

```
<html>
  <head>
    <script>
      function Prime() {
        var i,
            flag = 0,
            number;
        number = Number(document.getElementById('N').value);

        for (i = 2; i <= number / 2; i++) {
          if (number % i == 0) {
            flag = 1;
            break;
          }
        }
        if (flag == 0) {
          document.getElementById('prime').innerHTML =
            "It's a prime number";
        } else {
          document.getElementById('prime').innerHTML =
            "It's not a prime number";
        }
      }
    </script>
  </head>
  <body>
    <br />
    <h1>Check Whether a number is Prime or not</h1>
    Enter Number :<input type="text" name="n" id="N" />
    <button onClick="Prime()">submit</button>
    <h3 id="prime"></h3>
  </body>
</html>
```

Check Whether a number is Prime or not

Enter Number :

It's a prime number

2. Write a JavaScript, that uses function to calculate how many days are left in your birthday.

```
<html>
  <head>
    <script type="text/javascript">
      var month = parseInt(
        prompt('enter your birth month (1- 12)', ") - 1
      );
      var day = parseInt(prompt('enter your birth day(1-31)', "));
      var birthday = new Date();
      var currentdate = new Date();
      var one_day = 1000 * 60 * 60 * 24;
      document.write('Current date : ' + currentdate + '<br>');
      birthday.setDate(day);
      birthday.setMonth(month);
      document.write('Birthday : ' + birthday + '<br>');
      var theDate = birthday - currentdate;
      theDate = theDate / one_day;
      document.write(
        'Days left are ' + theDate.toFixed(0) + ' in your birthday '
      );
    </script>
  </head>
</html>
```

Current date : Sat May 01 2021 12:15:41 GMT+0530 (India Standard Time)
 Birthday : Sun Apr 04 2021 12:15:41 GMT+0530 (India Standard Time)
 Days left are -27 in your birthday

3. Write a JavaScript, that uses a loop, that searches a word in sentence held in an array, returning the index of word.

```
<html>
  <head>
    <script type="text/javascript">
      var word = prompt('Enter a word you want to search for:', "");

      document.write('Entered Word : ' + word + '<br>');
      var string =
        'Lorem ipsum, dolor sit amet consectetur adipisicing elit. Explicabo qui dignissimos
        aliquid eveniet tenetur, iste provident reprehenderit! Ullam omnis alias ex facere, illum vel ab
        vitae quisquam perspiciatis nobis quod. Dignissimos tenetur itaque optio unde tempora quidem
        modi recusandae, cum, cumque voluptatum asperiores esse perferendis? Sunt, deserunt ipsum
        molestias obcaecati in ab officiis praesentium necessitatibus dolores animi sint, perspiciatis
        possimus! Suscipit doloribus quaerat veniam similique? Mollitia, saepe tenetur quos quam
        totam odio accusantium minima fuga atque porro perspiciatis! Soluta, aliquam. Libero quae
        assumenda rerum alias pariatur? Doloribus ad rerum beatae? ';
      var index = string.search(word);
```

```

        if (index == -1) {
            index = 'Word not found';
        }
        document.write('Enter word position : ', index);
    </script>
</head>
<body>
    <h2>
        Lorem ipsum, dolor sit amet consectetur adipisicing elit. Explicabo
        qui dignissimos aliquid eveniet tenetur, iste provident
        reprehenderit! Ullam omnis alias ex facere, illum vel ab vitae
        quisquam perspiciatis nobis quod. Dignissimos tenetur itaque optio
        unde tempora quidem modi recusandae, cum, cumque voluptatum
        asperiores esse perferendis? Sunt, deserunt ipsum molestias
        obcaecati in ab officiis praesentium necessitatibus dolores animi
        sint, perspiciatis possimus! Suscipit doloribus quaerat veniam
        similique?
    </h2>
</body>
</html>

```

Entered Word : veniam
Enter word position : 496

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Explicabo qui dignissimos aliquid eveniet tenetur, iste provident reprehenderit! Ullam omnis alias ex facere, illum vel ab vitae quisquam perspiciatis nobis quod. Dignissimos tenetur itaque optio unde tempora quidem modi recusandae, cum, cumque voluptatum asperiores esse perferendis? Sunt, deserunt ipsum molestias obcaecati in ab officiis praesentium necessitatibus dolores animi sint, perspiciatis possimus! Suscipit doloribus quaerat veniam similique?

4. Write a JavaScript to print characters of a string at odd positions. (for example, for the string India, I, d and a should get printed)

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>DISHEN</title>
    <script>
        function isString(event) {
            var charCode = event.keyCode;
            if (charCode < 65 || charCode > 123) {
                return false;
            }
            return true;
        }

        function fun() {
            let string = String(document.getElementById('string').value);
            for (let i = 0; i < string.length; i++) {
                if (i % 2 == 0) {

```

```

        document.write(string[i] + ', ');
    }
}
}
</script>
</head>
<body>
    Enter a String :
    <input type="text" id="string" onkeypress="return isString(event)" />
    <input type="button" onclick="fun()" value="check" />
    <br />
    <p id="ans"></p>
</body>
</html>

```

Enter a String :

I, d, a,

- 5. Write a JavaScript to take 2-digit number and then separate these 2 digits, then multiply first digit by itself for second digit times. (for example, 23 should be separated as 2 and 3. 2 should multiply with itself 3 times).**

```

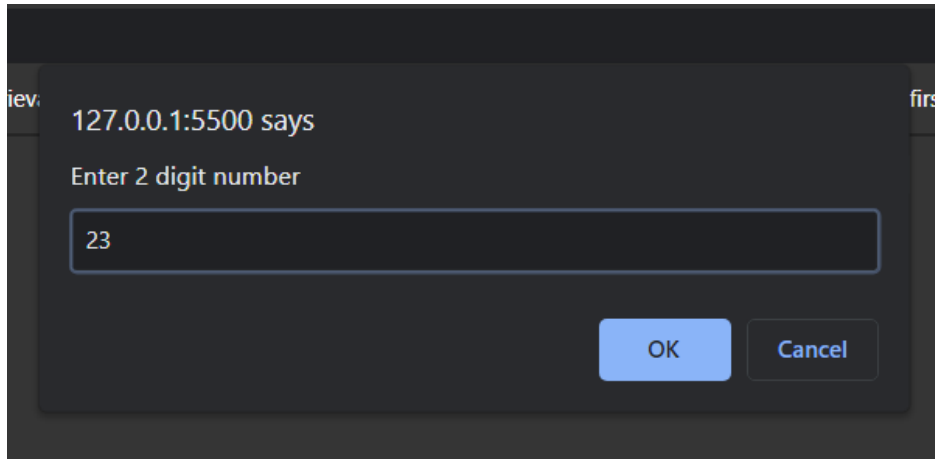
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>DISHEN</title>
    <script>
      let number = prompt('Enter 2 digit number');
      // console.log(number);
      let isnum = /^\d+$/.test(number);
      // console.log(isnum);
      if (isnum) {
        let ans = 1;
        // console.log(number.toString().length);
        // console.log(number.toString().charAt(1));
        if (number.toString().length == 2) {
          for (var i = 0; i < number.toString().charAt(1); i++) {
            ans *= Number(number.toString().charAt(0));
          }
          document.write('Answer is : ' + ans);
        } else {
          document.write('Please enter only 2 digit number');
        }
      } else {

```

```

        document.write('Please enter a number');
    }
</script>
</head>
</html>

```



Answer is : 8

6. Write a JavaScript that handles following mouse events. Add necessary elements. Show the use of event in following:

- a. If the mouse is over the heading, heading should turn yellow and if the mouse goes out of the heading it should turn black.**
- b. If find time button is clicked show time and date information.**
- c. If button named “red” is clicked, background should change to red and If button named “green” is clicked, background should change to green.**

```

<html>
<head>
    <title>Mouser Effect & Hover & Click</title>
    <script type="text/javascript">
        function time_find() {
            var t = new Date();
            document.getElementById('display').innerHTML = t;
        }

        function to_red(color) {
            document.body.style.background = 'red';
        }
        function to_green() {
            document.body.style.background = 'green';
        }
    </script>
</head>
<body>
    <h1 id="heading">This is heading tag</h1>

```

```

<script>
  document
    .getElementById('heading')
    .addEventListener('mouseover', mouseOver);
  document
    .getElementById('heading')
    .addEventListener('mouseout', mouseOut);
  function mouseOver() {
    document.getElementById('heading').style.color = 'yellow';
  }
  function mouseOut() {
    document.getElementById('heading').style.color = 'black';
  }
</script>
<br />
<br />
<input type="button" value="Find Time" onclick="time_find();" />
<div id="display"></div>
<br />
<br />
<button onclick="to_red()" style="background-color: red" ;>
  Click here
</button>
<button onclick="to_green()" style="background-color: green" ;>
  Click here
</button>
</body>
</html>

```



Assignment 8

Study and Implement PHP with variables, function, procedure and various operation.

1. Demonstrate the use of associative array in PHP.

```
<?php
$age = array("john" => "doe", "Raj" => "Soni", "Shyam" => "patel");
foreach ($age as $x => $x_value) {
    echo "Name=" . $x . ", Surname=" . $x_value;
    echo "<br>";
}

Name=john, Surname=doe
Name=Raj, Surname=Soni
Name=Shyam, Surname=patel
```

2. Demonstrate the use of Session & Cookie in PHP.

```
<?php
session_start();
$cookie_name = "user";
$cookie_value = "John Doe";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/"); // 86400 = 1 day
?>

<!DOCTYPE html>
<html>
<body>
    <?php
        $_SESSION["favcolor"] = "green";
        $_SESSION["favanimal"] = "cat";
        echo "Session variables are set. <br>";

        echo "Favorite color is " . $_SESSION["favcolor"] . "<br>";
        echo "Favorite animal is " . $_SESSION["favanimal"] . "<br>";

        if (!isset($_COOKIE[$cookie_name])) {
            echo "Cookie named '" . $cookie_name . "' is not set!";
        } else {
            echo "Cookie '" . $cookie_name . "' is set!<br>";
            echo "Value is: " . $_COOKIE[$cookie_name];
        }
    ?>
</body>
</html>
```

Session variables are set.
 Favorite color is green.
 Favorite animal is cat.
 Cookie 'user' is set!
 Value is: John Doe

3. Write a program to upload image file with size less than 2MB.

upload-file.php

```
<html>
<head>
  <title>File Upload Form</title>
</head>
<body>
  <form action="upload-manager.php" method="post" enctype="multipart/form-data">
    <h2>Upload File</h2>
    <label for="fileSelect">Filename:</label>
    <input type="file" name="photo" id="fileSelect">
    <input type="submit" name="submit" value="Upload">
    <p><strong>Note:</strong> Only .jpg, .jpeg, .gif, .png formats allowed to a max size of 5
  MB.</p>
  </form>
</body>
</html>
```

upload.php

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  if (isset($_FILES["photo"]) && $_FILES["photo"]["error"] == 0) {
    $allowed = array("jpg" => "image/jpg", "jpeg" => "image/jpeg", "gif" => "image/gif",
    "png" => "image/png");
    $filename = $_FILES["photo"]["name"];
    $filetype = $_FILES["photo"]["type"];
    $filesize = $_FILES["photo"]["size"];

    $ext = pathinfo($filename, PATHINFO_EXTENSION);
    if (!array_key_exists($ext, $allowed)) die("Error: Please select a valid file format.");

    $maxsize = 2 * 1024 * 1024;
    if ($filesize > $maxsize) die("Error: File size is larger than the allowed limit.");

    if (in_array($filetype, $allowed)) {
      if (file_exists("upload/" . $filename)) {
        echo $filename . " is already exists.";
      } else {
        move_uploaded_file($_FILES["photo"]["tmp_name"], "upload/" . $filename);
        echo "Your file was uploaded successfully.";
      }
    } else {
```



```

        echo "Error: There was a problem uploading your file. Please try again.";
    }
    } else {
        echo "Error: " . $_FILES["photo"]["error"];
    }
}

```

Upload File

Filename: demo.png

Note: Only .jpg, .jpeg, .gif, .png formats allowed to a max size of 5 MB.

4. Write PHP programs to

a. To print whether entered year is leap year or not.

```

<html>
<body>
    <h2>PHP Script to find Leap year or not</h2>
    <form action="" method="post">
        <input type="text" name="year" />
        <input type="submit" />
    </form>
</body>
</html>
<?php
if($_POST) {
    $year = $_POST['year'];
    if(!is_numeric($year)) {
        echo "Strings not allowed, Input should be a number";
        return;
    }
    if (($year % 4 == 0) and ($year % 100 != 0) or ($year % 400 == 0)) {
        echo "$year is a leap year";
    } else {
        echo "$year is not a leap year";
    }
}
}
?>

```

PHP Script to find Leap year or not

2024 is a leap year

b. To print whether current year is leap year or not.

```

<html>
<body>
    <h2>PHP Script to find current year is leap year or not</h2>
</body>
</html>
<?php
$year = date("Y");
if ((0 == $year % 4) and (0 != $year % 100) or (0 == $year % 400)) {
    echo "$year is a leap year";
} else {
    echo "$year is not a leap year";
}
?>

```

PHP Script to find current year is leap year or not

2021 is not a leap year

c. To print whether given number is odd or even.

```

<html>
<body>
    <h2>Check enter number is odd or even</h2>
    <form action="" method="post">
        <input type="number" name="number" />
        <input type="submit" />
    </form>
</body>
</html>
<?php
if ($_POST) {
    $number = $_POST['number'];
    if (!is_numeric($number)) {
        echo "Strings not allowed, Input should be a number";
        return;
    }
    if ($number % 2 == 0) {
        echo "$number is even";
    } else {
        echo "$number is odd";
    }
}
?>

```

Check enter number is odd or even

13 is odd

Assignment 9

Develop small Database application with PHP with insert, update, delete and search record from database.

1. Write module using php and html to insert, delete and show employee info: id,name, job title, year of experience in employee table and output the information in ascending order of its experience.

showdb.php

```
<html>
<head>
  <title>Database</title>
</head>
<body>
  <?php
    $servername = "localhost:3306";
    $username = "root";
    $password = "";
    $dbname = "employee";

    $conn = new mysqli($servername, $username, $password, $dbname);

    if ($conn->connect_error) {
      die("Connection failed: " . $conn->connect_error);
    }

    $sql = "SELECT * FROM employee_master";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
      ?>
      <table cellpadding="4px" cellspacing="2" border="1">
        <tr>
          <td>Employee Id</td>
          <td>Employee Name</td>
          <td>Job title</td>
          <td>Year of experience</td>
          <td></td>
          <td></td>
        </tr>
        <?php
          while ($row = $result->fetch_assoc()) {
            ?>
            <tr>
              <td><?php echo $row["emp_id"] ?></td>
              <td><?php echo $row["ename"] ?></td>
              <td><?php echo $row["job"] ?></td>
```

```

        <td><?php echo $row["expe"] ?></td>
        <?php
        $en = $row["emp_id"];
        $sque = "en=$en";
        echo ' <td><a href="update.php?" . $sque . "'><button>Update</button></a></td>';
        echo ' <td><a href="delete.php?" . $sque . "'><button>Delete</button></a></td>';
        ?>
    </tr>
    <?php
    }
    ?>
</table>
<?php
} else {
    echo "0 results";
}
$conn->close();
?>
<br><br>
<a href="insert.php"><button>Insert Record</button></a>
</body>
</html>

```

insert.php

```

<html>
<head>
    <title>Employee Registration Form</title>
</head>
<body>
    <?php
    $servername = "localhost:3306";
    $username = "root";
    $password = "";
    $dbname = "employee";

    $conn = mysqli_connect($servername, $username, $password, $dbname);

    if (!$conn) {
        die("Connection failed: " . mysqli_connect_error());
    }

    if ($_SERVER["REQUEST_METHOD"] == "POST") {

        $emp_id = $_REQUEST['emp_id'];
        $ename = $_REQUEST['ename'];
        $job = $_REQUEST['job'];
        $expe = $_REQUEST['expe'];

        $sql =

```

```

        "INSERT INTO `employee_master` (emp_id, ename, job, expe) VALUES
('$_emp_id','$_ename','$_job','$_expe)";
        if (mysqli_query($conn, $sql)) {
            echo "New record created successfully";
        } else {
            echo "Error: " . $sql . "<br>" . mysqli_error($conn);
        }
    }

    mysqli_close($conn);
?>
<br>
<form action="" method="post">
    Employee Id : <input type="text" name="emp_id">
    <br><br>
    Employee Name : <input type="text" name="ename" placeholder="Enter Your Name">
    <br><br>
    Job title : <input type="text" name="job">
    <br><br>
    Year of experience : <input type="text" name="expe">
    <br><br>
    <input type="submit" value="Register">
</form>
<a href="showdb.php"><button>Show Database</button></a>
</body>
</html>

```

update.php

```

<html>
<head>
    <title>Employee Update Data Form</title>
</head>
<body>
    <?php
        $servername = "localhost:3306";
        $username = "root";
        $password = "";
        $dbname = "employee";
        $en = $_GET["en"];

        $conn = mysqli_connect($servername, $username, $password, $dbname);

        if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
        }
        if ($_SERVER["REQUEST_METHOD"] == "POST") {

            $_emp_id = $_REQUEST['emp_id'];
            $_ename = $_REQUEST['ename'];
            $_job = $_REQUEST['job'];

```

```

$expe = $_REQUEST['expe'];

$sql = "UPDATE employee_master SET
emp_id='$emp_id',ename='$ename',job='$job',expe='$expe' WHERE emp_id=$en";
if(mysqli_query($conn, $sql)) {
    echo "One record updated successfully";
} else {
    echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
}

$sql = "SELECT * FROM employee_master where emp_id=$en";

$result = $conn->query($sql);

while ($row = $result->fetch_assoc()) {
?>
    <form action="" method="post">
        Employee Id : <input type="text" name="emp_id" value="<?php echo $row["emp_id"] ?>">
        <br><br>
        Employee Name : <input type="text" name="ename" placeholder="Enter Your Name"
value="<?php echo $row["ename"] ?>">
        <br><br>
        Job title : <input type="text" name="job" value="<?php echo $row["job"] ?>">
        <br><br>
        Year of experience : <input type="text" name="expe" value="<?php echo $row["expe"]
?>">
        <br><br>
        <input type="submit" value="Update Record">
    </form>
    <?php } ?>
    <a href="showdb.php"><button>Show Database</button></a>
</body>
</html>

```

delete.php

```

<?php
$servername = "localhost:3306";
$username = "root";
$password = "";
$dbname = "employee";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$en = $_GET["en"];
$sql = "DELETE FROM employee_master WHERE emp_id=$en";

```

```

if ($conn->query($sql) === TRUE) {
    echo "Record deleted successfully";
    header("Location: http://localhost/WP/showdb.php");
} else {
    echo "Error deleting record: " . $conn->error;
}
$conn->close();

```

New record created successfully

Employee Id :

Employee Name :

Job title :

Year of experience :

Employee Id	Employee Name	Job title	Year of experience		
1804701070	DISHEN	SDE	2	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
1804701071	DHRUV	SDE	1	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
1804701072	DARSHAN	SDE	2	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
1804701073	RASHESH	SDE	3	<input type="button" value="Update"/>	<input type="button" value="Delete"/>

One record updated successfully

Employee Id :

Employee Name :

Job title :

Year of experience :

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

SELECT * FROM employee_master

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

emp_id	ename	job	expe
1804701070	DISHEN	SDE/DEV	2
1804701071	DHRUV	SDE	1
1804701072	DARSHAN	SDE	2

Assignment 10

Study and Implement AJAX, jQuery basic operation.

1. Write a program that retrieve the content from text file using JQuery & AJAX.

```
<!DOCTYPE html>
<html>
  <body>
    <div id="demo"><h2>Loading content From text file</h2></div>
    <button type="button" onclick="loadDoc()">Show Content of text file</button>
    <script>
function loadDoc() {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (xhttp.readyState == 4 && xhttp.status == 200) {
      document.getElementById("demo").innerHTML = xhttp.responseText;
    }
  };
  xhttp.open("GET", "demo.txt", true);
  xhttp.send();
}
</script>
</body>
</html>
```

Loading content From text file

Show Content of text file

John Raj Ram Shyam Shivam Krish

Show Content of text file

2. Write a program that validate entered username from PHP array using AJAX.

suggest.html

```
<html>
  <head>
    <script>
      function showHint(str) {
        if (str.length == 0) {
          document.getElementById('txtHint').innerHTML = "";
          return;
        }
      }
    </script>
  </head>
  <body>
    <input type="text" value="Enter username" />
  </body>
</html>
```

```

    } else {
        var xmlhttp = new XMLHttpRequest();
        xmlhttp.onreadystatechange = function () {
            if (this.readyState == 4 && this.status == 200) {
                document.getElementById(
                    'txtHint'
                ).innerHTML = this.responseText;
            }
        };
        xmlhttp.open('GET', 'validate.php?q=' + str, true);
        xmlhttp.send();
    }
}
</script>
</head>
<body>
    <p><b>Start typing a name in the input field below:</b></p>
    <form action="">
        <label for="fname">First name:</label>
        <input
            type="text"
            id="fname"
            name="fname"
            onkeyup="showHint(this.value)"
        />
    </form>
    <p>Result: <span id="txtHint"></span></p>
</body>
</html>

```

validate.php

```

<?php
$a[] = "John";
$a[] = "Mike";
$a[] = "Mihir";
$a[] = "Ram";
$a[] = "Raj";
$a[] = "Shyam";

$query = $_REQUEST["q"];

$hint = "";

if ($query !== "") {
    $query = strtolower($query);
    $len = strlen($query);

```

```
foreach ($a as $name) {  
    if (strpos($query, substr($name, 0, $len))) {  
        if ($hint === "") {  
            $hint = $name;  
        } else {  
            $hint .= ", $name";  
        }  
    }  
}  
}  
echo $hint === "" ? "User Doesn't Exist" : $hint;
```

Start typing a name in the input field below:

First name:

Result: Ram

Start typing a name in the input field below:

First name:

Result: User Doesn't Exist