FRONTEND ASSIGNMENT

# ***MODULE 1 -FOUNDATION***

Do search for web-site, http, URL etc given topics in lecture.

**WEB-SITE:** A group of World Wide Web pages usually containing hyperlinks to each other and made available online by an individual, company, educational institution, government, or organization.

**HTTP:** Hypertext transfer protocol. HTTP is the foundation of the World an application layer protocol designed to transfer information between networked devices and runs on top of other layers of the network protocol stack.

**URL:** Uniform Resource Locator. URL is a unique identifier used to locate a resource on the internet. It is also referred to as a web address.

# ***MODULE 2- FUNDAMENTALS OF IT***

Do search for domain, hosting, SEO etc.

**DOMAIN:** A domain is a group of connected windows computers that share user account information and a security policy. The domain controller facilitates network administration.

**HOSTING:** Hosting is an online service that makes your website’s content accessible on the internet.

# ***MODULE 3- HTML***

* Are the HTML tags and elements the same thing?

HTML tags are building blocks of HTML page. HTML elements are components that are used in HTML page.HTML tags usually exist in pairs consisting of a starting and an ending tag.

* What are tags and attributes in HTML?

Tags are used to mark up content on a webpage and define the structure and meaning of the content they enclose. Attributes are used to modify the behavior or appearance of an element or to provide additional information that cannot be conveyed through the element’s content alone.

* What are void element in HTML ? With Example.

A void element is an element in HTML that cannot have any child nodes. void elements only have a start tag; end tags must not be specified for void elements.

EX: <input type=’’text’’></input>

* What are HTML Entities? With Example.

An HTML entity is a piece of text ("string") that begins with an ampersand ( & ) and ends with a semicolon ( ; ). HTML entities are frequently used to display reserved characters and invisible characters.

* What are different types of lists in HTML? With Example.

There are three types of lists in HTML.

(1)Unordered list- ul (2)ordered list - ol (3)Description list –dl

EX: (1) <UL style=” liststyle -type: circle”>

<li> 1</li>

<li> 2</li>

(2)<ol><type=”a><start=”11>

<li> abcd</li>

<li> abcd</li>

(3) <dl>

<dt> chai=></dt>

<dt> hot chai</dt>

<dt> green tea</dt>

</dl>

* What is the ‘class’ attribute in HTML? With Example.

The HTML class attribute specifies one or more class names for an element. classes are used by CSS and JavaScript to select and access specific elements .the class attribute can be used on any HTML element. the class name is case sensitive.

EX: <H1> class=”city”> parish</H1>

* What is the difference between the ‘id’ attribute and the ‘class’ attribute of HTML elements? With Example.

HTML ID ATTRIBUTE:

The[id attribute](https://www.geeksforgeeks.org/html-id-attribute/) is a unique identifier that is used to specify the document. It is used by [CSS](https://www.geeksforgeeks.org/css/) and [JavaScript](https://www.geeksforgeeks.org/javascript/) to perform a certain task for a unique element. In CSS, the id attribute is written using the # symbol followed by id.

EX**:-**

!DOCTYPE html>

<html>

    <head>

        <title>HTML id attribute</title>

        <style>

            #geeks {

                color: green;

                font-size: 25px;

            }

        </style>

    </head>

    <body style="text-align: center">

        <h1>

            Geeks for Geeks

        </h1>

        <p id="geeks">

            Welcome to Geeks for Geeks

        </p>

        <p>

            A Computer Science portal for geeks

        </p>

    </body>

</html>

## ****HTML class Attribute:****

The [class attribute](https://www.geeksforgeeks.org/html-class-attribute/) is used to specify one or more class names for an HTML element. The class attribute can be used on any HTML element. The class name can be used by [CSS](https://www.geeksforgeeks.org/css-tutorial/)and [JavaScript](https://www.geeksforgeeks.org/introduction-to-javascript/)to perform certain tasks for elements with the specified class name. The class name in CSS stylesheet using **“.”** symbol.

<!DOCTYPE html>

<html>

    <head>

        <style>

            .geeks {

                color: green;

                font-size: 25px;

            }

        </style>

    </head>

    <body style="text-align: center">

        <h1>Geeks for Geeks</h1>

        <p>Welcome to Geeks for Geeks</p>

<p class="geeks">

            A Computer Science portal for geeks

        </p>

    </body>

</html>

* What are the various formatting tags in HTML?

<b> - Bold text.

<strong> - Important text.

<i> - Italic text.

<em> - Emphasized text.

<mark> - Marked text.

<small> - Smaller text.

<del> - Deleted text.

<ins> - Inserted text.

* How is Cell Padding different from Cell Spacing? With Example.

Cell padding and cell spacing are two different things. Cell spacing refers to the distance between the cells in a grid layout, and cell padding refers to the space around each cell.

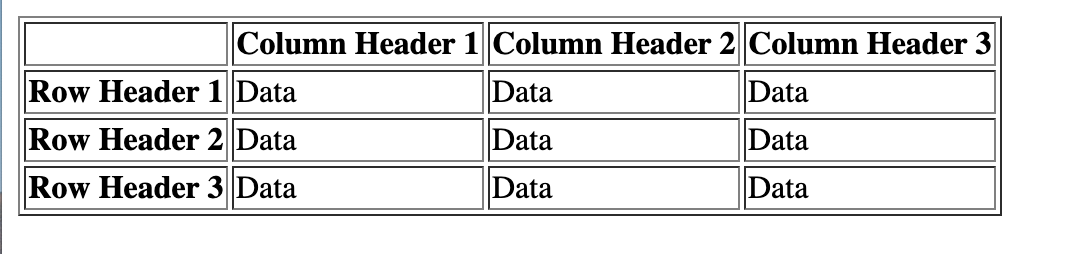
EX:-

| **Cell spacing** | **Cell padding** |
| --- | --- |
| Cell spacing is an HTML attribute which means how much space is between the table cells. It is used for defining the space between the adjacent cells in a table. | Cell padding defines the space that is added between the content within a cell and the cell’s border. |
| The default value for cell spacing is 2 | The default value for cell padding is 1. |
| Cell spacing is measured in Pixels | Cell padding is measured in Pixels |
| It is applied to the whole table using the ‘cell spacing’ attribute in the ‘<table>’ tag. | It can also be applied to the individual cells using the ‘cell padding’ attribute in the ‘<td>’ or ‘<th>’ tag. |
| HTML and CSS | HTML and CSS |
| <table cell spacing=”10”><td>Hello</td> | <table cell spacing=”10”><td cell padding=”5”>Hello</td> |

* How can we club two or more rows or columns into a single row or column in an HTML table? With Example.

You can merge two or more table cells in a column by using the cols pan attribute in a HTML tag (table data). To merge two or more row cells, use the row span attribute.

EX:-



* What is the difference between a block-level element and an inline element?

Block elements cover space from left to right as far as it can go. Inline elements only cover the space as bounded by the tags in the HTML element. Block elements have top and bottom margins. Inline elements don't have a top and bottom margin.

* How to create a Hyperlink in HTML ?With Example.

The <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the href attribute, which indicates the link's destination. By default, links will appear as follows in all browsers: An unvisited link is underlined and blue.

EX:- <a href="https://www.w3schools.com/">

* What is the use of an iframe tag? With Example.

An inline frame (iframe) is a HTML element that loads another HTML page within the document. It essentially puts another webpage within the parent page. They are commonly used for advertisements, embedded videos, web analytics and interactive content.

EX:- <iframe src="URL" width="width\_in\_px" height="height\_in\_px"></iframe>

* What is the use of a span tag ?Explain with example?

 A span tag include changing the style or color of a part of the text, highlighting a section of text, and inserting icons or small graphics inline with text. It's also useful for applying JavaScript actions to specific parts of inline content.

EX:- <p>My mother has <span style="color: red">blue</span> eyes.</p>

* How to insert a picture into a background image of a web page? With Example.

If you want to add background image in HTML using background attrubute, perform the following steps: Open the HTML file in text editor. Within the starting <body> tag in your Html file, type <Body background=” “> Give the path of the image we want to add.

EX:- <p style="background-image: url('img\_girl.jpg');">

* How are active links different from normal links?

 They are just different states the link can be in. It's active when the user is clicking on it.

* What are the different tags to separate sections of text?

We separate a section of texts in HTML using the below tags: <br> tag – It is used to separate the line of text. It breaks the current line and shifts the flow of the text to a new line. <p> tag–This tag is used to write a paragraph of text.

* What is SVG?

SVG – Scalable Vector Graphics. SVG is used to define vector based graphics for the Web. SVG defines graphics in XML format. Each element and attribute in SVG files can be animated.

* What is difference between HTML and XHTML ?

HTML (Hypertext Markup Language) and XHTML (Extensible Hypertext Markup Language) are both markup languages used for creating and displaying web pages. The main difference between them is the syntax and structure; HTML is more lenient in its syntax, while XHTML has a more strict syntax and follows XML rules.

* What are logical and physical tags in HTML?

In HTML the formatting tags are divided into two categories: Physical tag: These tags are used to provide the visual appearance to the text. Logical tag: These tags are used to add some logical or semantic value to the text.

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