Web Development HTML5 & CSS

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Git

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https://github.com/engwsalama/webdev_html_css.git

HTML5

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HTML Formatting - Headings - Paragraph

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Image

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List

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Table

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Form

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Document Object Model

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CSS
Cascaded Style Sheet

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Working with CSS

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Styles...

Font

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Border

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Styling table

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Div- Span

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Links

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HTML4 Organization

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- <div class="header">
- <div class="nav">
- <div class="section">
- <div class="footer">

HTML5 Organization

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- <header>
- <nav>
- <section>
- <footer>

Form & Datalist

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Multiple & descendant

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Child

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Attribute

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hover

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Pseudo-classes

- A <u>CSS</u> pseudo-class is a keyword added to a selector that specifies a special state of the selected element(s).
- State of element based on user activity {page interacts with user activity}

Before & After

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Pseudo-Element

- A CSS pseudo-element is a keyword added to a selector that lets you style a specific part of the selected element(s).

Adjacent

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Pseudo-Element

- A CSS pseudo-element is a keyword added to a selector that lets you style a specific part of the selected element(s).

Selection

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Pseudo-Element

- A CSS pseudo-element is a keyword added to a selector that lets you style a specific part of the selected element(s).

CSS Selectors

a, b	Multiple Element Selector
a b	Descendant Selector
a > b	Child Selector
a + b	Adjacent Sibling Selector
[a=b]	Attribute Selector
a:b	Pseudoclass Selector
a::b	Pseudoelement Selector

Responsive Design

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- Viewport
- Media Queries
- Flexbox
- Grids

Print - media query

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Flexbox

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- Flexbox is one dimensional that deals with layout in one dimension at a time — either as a row or as a column.
- The flex-wrap property specifies whether the flexible items should wrap or not.
- If the elements are not flexible items, the flex-wrap property has no effect.

Grid

- The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.
- A grid layout consists of a parent element, with one or more child elements.
- Display Property should be grid or inline-grid

Variables

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Sass

Syntactically Awesome Style Sheets

- Sass is a CSS preprocessor, which adds special features such as variables, nested rules and mixins (sometimes referred to as syntactic sugar) into regular CSS. The aim is to make the coding process simpler and more efficient. Let's explore in more detail.

- https://sass-lang.com/documentation

- Browser could not read sass file , so will need to convert it to css

Sass

Syntactically Awesome Style Sheets

- To install sass compiler in Linux: ● ● ●
  - ○ *sudo npm install -g sass*

- To convert Sass file into CSS file :
  - ○ *sass cssFile sassFile*

- To make Sass watch any changes and compiled automatically to css file , you can use

- *sass --watch sassFile.scss:cssFile.css*

Nesting In Sass

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HTML References

- https://developer.mozilla.org/en-US/docs/Web/HTML

- https://www.w3schools.com/html/default.asp

- https://www.w3schools.com/css/

- https://flatuicolors.com/

- http://www.webestools.com/