

LinkedIn Learning 3: CSS Essential Training

Introduction

CSS: A fundamental part of web design (Appearance, styling)

Use `<link>` tag or `@import` method, to link HTML and CSS

`<head>`
`<link rel="xx" href="xx">`
`</head>`

`<head>`
`<style>`
`@import url;`
`</head>`

slow down speed

Inline CSS

`<p style="xx; xxx;">`

Internal CSS

`<head>`
`<style>`
`</head>`

CSS Syntax: `img { width: 300px; }`
padding - (top/right/bottom/left).
/* */ Comment

Absolute <length> fixed unit, always the same size.

- Not affected by values in related elements
- Example = px, cm, mm, pt

Relative <Length> Relational sizing

- Dependent upon values declared in parent and ancestor elements
- Example: em, rem, vw, vh

`hsla(x, x%, x%, a)`
`hsl(x, x%, x%)`

color: colours. natorangapeel.com (name, Hexadecimal, rgb(xx,xx,xx))

CSS Selector: every single element.

1. type selector: `h1 { }`
2. Universal selector: `* { }`
3. Class selector: `.xx { }`
4. id selector: `#xxx { }` once/page
5. Descendant selector: `xx xx { }`
6. group selector: `xx, xy { }`

Specificity: 1. universal (*) 2. type (p) 3. class (.xx) 4. id (#xx)
override

Cascade

Pseudo-class : :link :visited :hover :active :focus

Box model : every element like a box
(width, length, margin, padding, border)

The Box Model (pre)

padding doesn't accept negative number.

margin can use negative number to remove spaces.

~~Font~~ Typeface: Script, Decorative, Monospace, serif, Sans-serif.

CSS Variables

It is declared in CSS selector that defines the variable's scope. global scope :root,

function: var() use two --, --. var(--x-xxx)

4.5 Font and text properties

Font property

font-family	
font-size	120% or small or 12px.
font-weight	normal or bold.
font-style	normal, italic or oblique.
font-variant	normal, small-caps
font	several settings

Text property

text-align	left, right, center, justify and more
text-decoration	underline, line-through, overline
text-transform	UPPERCASE, lowercase, capitalize.
text-indent	first line's indentation amount

4.6 Box Model

Content: contains the content of the element. (text, image)
padding: contains the content box and adds transparent area around content.
border: contains padded content, adds on colored area around padding.
margin: contains all three of ↑. adds transparent area around border.

Box size.

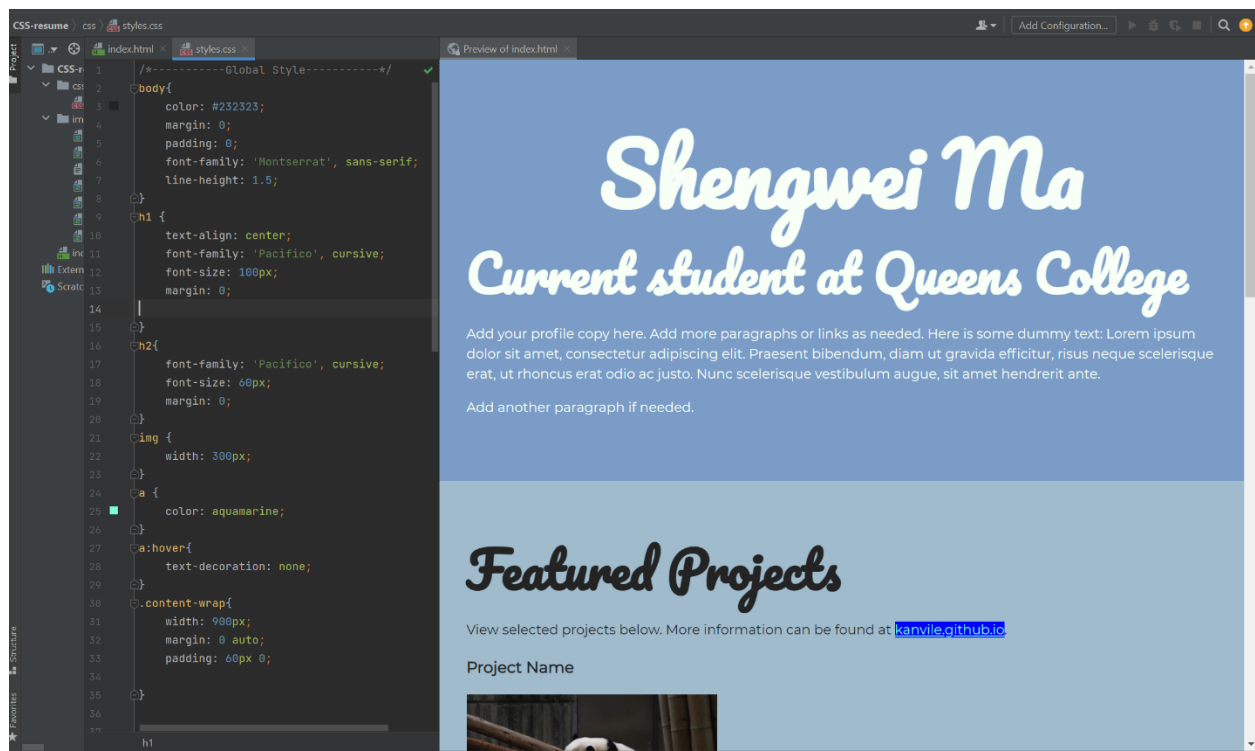
margin: (top/bottom, right/left) (top, right, bottom, left)

4a. By study this course, I know what Selectors, Properties, Fontface, Box model is and how to use them to make our webpage more beautiful. A good CSS file will make the web page more attractive and look neater.

4b. Do more exercise with CSS, play around those selectors and properties, make sure every block of code are readable and clear.

4c. Every student needs to study this course seriously. CSS is not as difficult as other languages, but CSS is more complicated and cumbersome. Learning this course well will make a better web page.

4d. This course took me 3 hours to compete. (Including organizing notes and screenshots.)



```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Add a relevant page title</title>
    <link rel="stylesheet" href="css/styles.css">
  </head>
  <body>
    <main>
      <!-- ***** ABOUT / PROFILE ***** -->
      <header>
        <h1>Your Name</h1>
        <h2>Job title or tagline</h2>

        <p>Add your profile copy here. Add more paragraphs or links as needed. Here is some dummy text: Lorem ipsum dolor sit am
        <p>Add another paragraph if needed.</p>
      </header>

      <!-- ***** PROJECTS / PORTFOLIO ***** -->
      <section>
        <h2>Featured Projects</h2>
        <p>View selected projects below. More information can be found at <a href="http://christinatrung.com">christinatrung.c

        <!-- Copy the whole <section> block to add more projects. -->
      </section>
```



Heading

Sub-heading

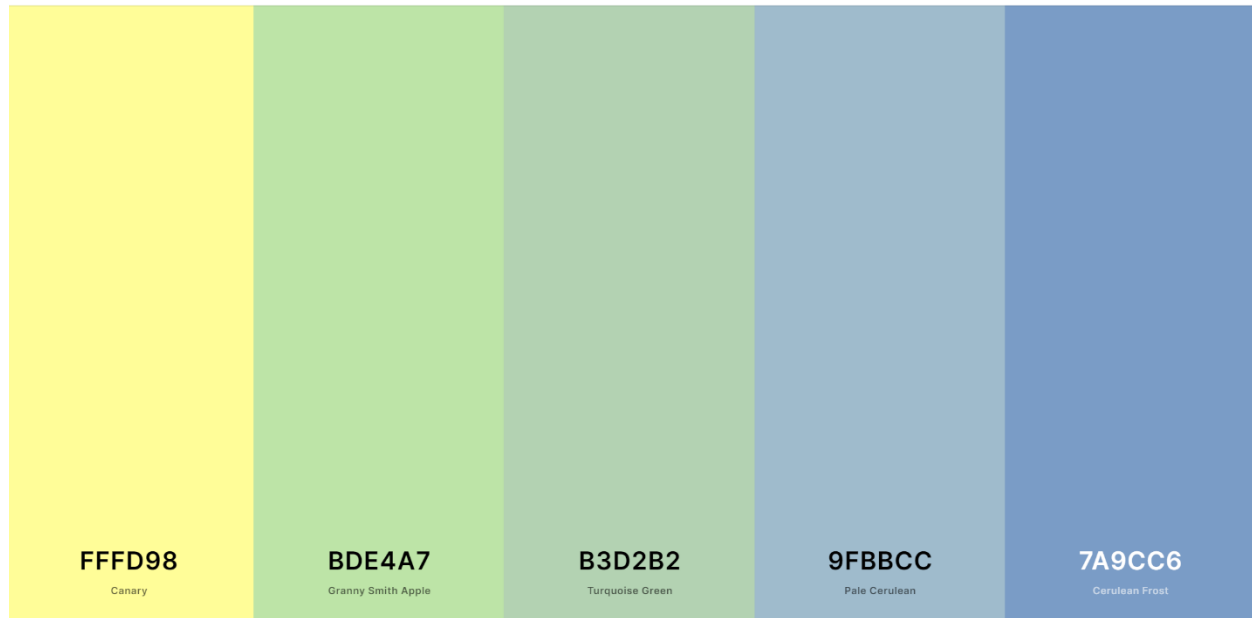
ftyagsdui iuahfu iuahdfoahf iuafigthalfakuho iyagfayfgoygodifg,fiagfh. iugadflahbdifhaiudfh,afuhkdf.

Sub-heading

yhtfu jygb htdyvt tfj,uygb iuhdf aoifhsdnvusbvsndku.

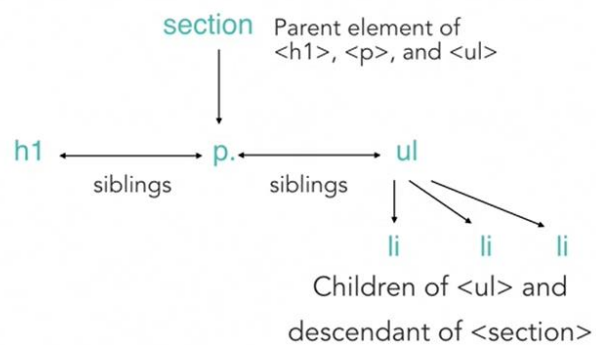


Press the spacebar to generate color palettes!



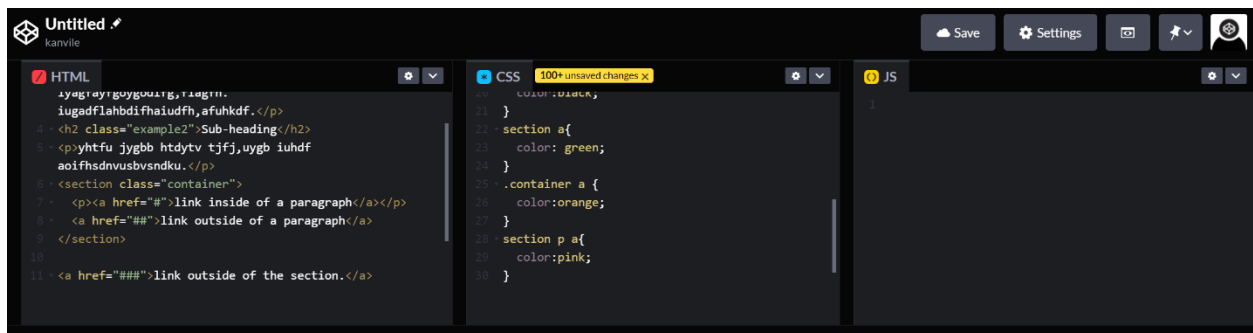
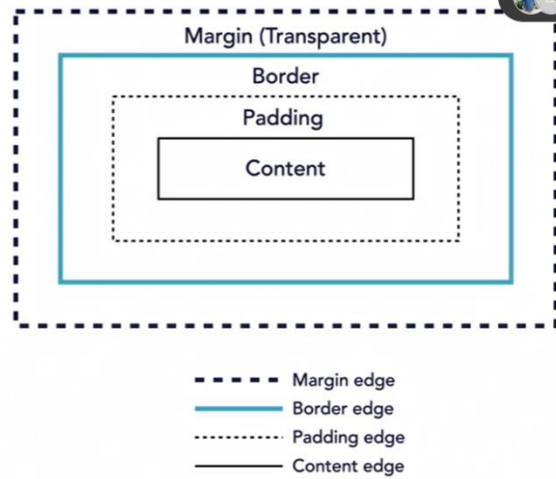
Nested Elements and the DOM

```
<section>
  <h1>Heading</h1>
  <p>Paragraph.</p>
  <ul>
    <li>List item</li>
    <li>List item</li>
    <li>List item</li>
  </ul>
</section>
```



The Box Model

- Content box
- Padding box
- Border box
- Margin box



Heading

Sub-heading

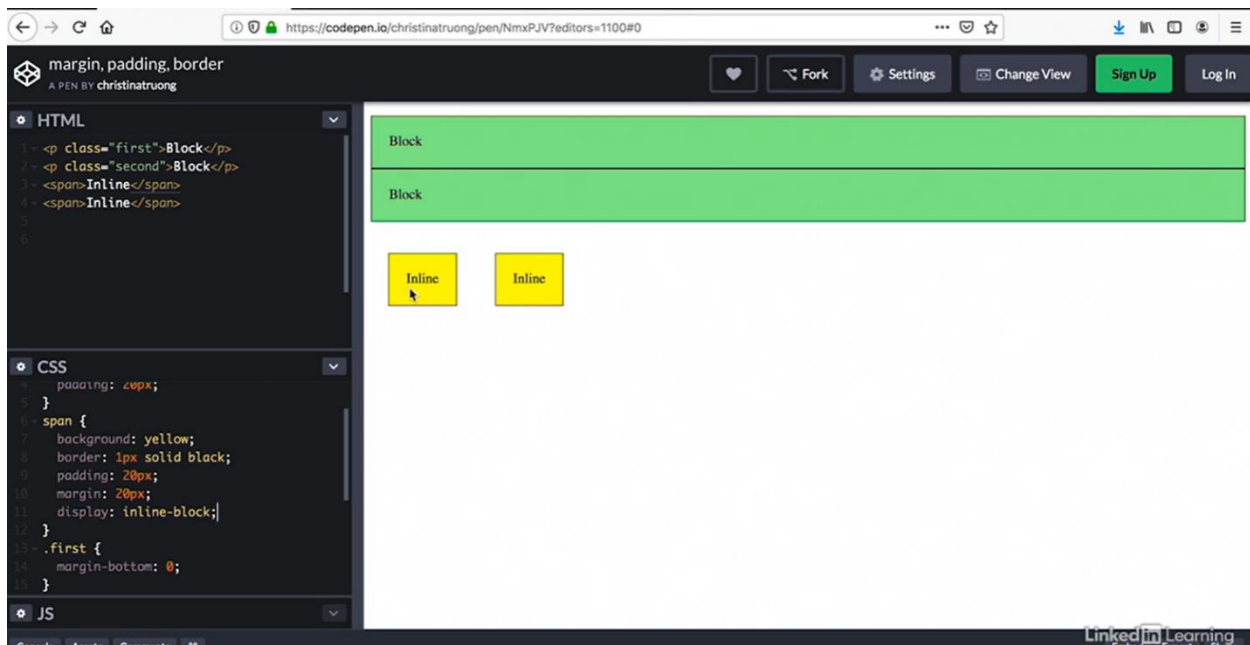
ftagsdui iuahfu iuahdfoahf iuafigfhalfakuho iyagfayfgoygodifg,fiagfh. iugadflahbdifhaiudfh,afuhkdf.

yhtfu jygb b htdy tv tjfj,uygb iuhdf aofhsdnvusbvsndku.

link inside of a paragraph

link outside of a paragraph

link outside of the section



aildfghaiudh hushchuo huahe lkakuc huihc ,hciuah cukah uah
uch ahe ahclajopjoadj j.fnuia hua dhjadnf uhas,uifgh aiuhdf oai
dfjoia df.