Day 24                    09/03/23

Selectors

Specificity hierarchy -
            1) inline style
            2) IDs
            3) Classes, attributes and pseudo-classes
            4) Elements and pseudo element

1) Inline style -
        Inline styles are attached to the elements within HTML code like with the style attribute.
        Inline styles have highest Specificity
for eg
            < p style = "color : white; ">

2) IDs
        Represented by #
for eg
        #div

3) Classes, attributes and pseudo-classes
        Classes and the attributes ↲ inside the selectors, come next with what is called the pseudo-classes
for eg
        .my-class
        p["attribute"]
        div : hover

4) Elements and pseudo-element

Elements and pseudo-elements have the lowest position in the specificity hierarchy.

* Pseudo - elements

syntax

Selector :: pseudo-element {
property : value;
}

Popular pseudo-elements :-

i) :: First-letter :- We can use first-letter to change the value of just the first letter.

2) :: first-line :- First-line will change the complete first line of each of the points

3) ::Selection :-

4) :: marker :- Are typically used to add style elements to a list.

5) :: befor and :: after

* Simple selector

  1) Element         -    element
  2) Class           -    .class
  3) ID              -    #id
  4) Universal       -    *

  5) Two classes   -   .first-class.second class

  6) Element and class - element.class

  7) Two elements    -   element , element


* Descendant selector / combinators

  1) Descendant           -   element element

  2) Child                -   element > element

  3) Adjacent sibling     -   element + element

  4) General sibling      -   element ~ element


* Attribute selectors

  1) [attribute]          -   [href] { }

  2) [attribute = value]  -   [lang = "fr"] { }

3) [attribute ~ = value]  -  (input) ~ = hello) {}

4) [attribute | = value]  -  (lang | = en) {}

5) [attribute ^ = value]  -  a[href ^ = "https"] {}

6) [attribute $ = value]  -  a[href $ = ".docx"] {}

7) [attribute * = value]  -  a[href * = "meta"] {}

× Pseudo - class
1) : active
2) : checked
3) : default
4) : disabled
5) : empty
6) : enabled
7) : first - child
8) : first - of - type
9) : focus
10) : fullscreen
11) : hover
12) : invalid
13) : last - child
14) : last - of - type
15) : link
16) : not (selector)
17) : nth - child (n)
18) : nth - last - child (n)
19) : nth - last - of - type (n)

20) : nth-of-type (n)
21) : only-of-type
22) : only-child
23) : optional
24) : required
25) : root
26) :: selection
27) : valid
28) : visited