CSS in 3hr:

Basic Structure:

```
Selector {
        property 1 : value;
                  :
        property n : value;
}
```

Comments:

// single-line comment
/* multi-line comment */

Types of CSS:

Ways of writing CSS are:

.. Inline CSS
.. Embedded CSS / Internal CSS
.. External CSS

Priority:

Inline > Embedded > External

CSS considers the rules, which are more and more specific.

→ · Most preferrably, we would be using external css, by creating a new file with .css extension.

→ · We link this* .css file with .html file, by `<link rel=" stylesheet" href=" ">` in .html file.

<u>Types of selectors:</u>

→ · 5 types of selectors:
- element selector
- id selector (#)
- class selector (.)
- group selector
- universal selector (*)

→ · Priority:
   id > class > Element.

<u>CSS Colour:</u>
2 widely used colour techniques in CSS are:

→ · RGB
  ·· values range from o to 255
  ·· 3 parameters red, blue, green

can refer https://htmlcolorscodes.com

- format = rgb (r-value, g-value, b-value);
  eg: rgb (255, 0, 0); // red colour

→ **HEX:**
- HEX code starts with # and comprises of 6 numbers, which is further ÷ into 3 sets.
- These sets are again Red, Green, Blue
- Values can vary from 00 to ff.
  eg: #ff0000; // red colour

Note: scheme

HSL is also popularly used & colour coding n. It stands for Hue, Saturation, Light.

CSS Background:

→ <u>background-image:</u>
It is used to set the background image.
By default, image covers the entire element.

→ <u>background-repeat:</u>
By default, background-repeat image property repeats background-image horizontally and vertically.

background-position:
It is used to define initial pos. of background image. By default, background-image is placed on top-left of website.

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CSS Text and Font:

Text:

Text color:
color prop. is used to set color of text.

Text Alignment:
This text-align prop. is used to align text to left, right, center, justify.

Text Decoration:
It is used to set or remove decorations from text.
text-decoration prop. is used here.

Text Transformation:

text-transform prop. is used to specify upper & lower case letters in a text.

Font:

font-color: changes colour of font

font-family: which font to be used.

font-size : for adjusting size of font.

font-style: used to font bold, italic, or oblique

font-variant: It creates a small-cap effect.

font-weight: To decrease or increase boldness and lightness of text.

30/10/22 Pseudo Classes:

- A pseudo-class can be defined as a keyword, which is combined to selector, which defines a special state of selected elements.

- This keyword is combined to a selector, for adding effects to the existing elements, based on their state.

eg: Suppose, a link is present. Then,

link state : red colour

vsited state : yellow colour

hover state : black colour

active state : blue colour

Syntax:

selector : pseudo-class &
    property : value;

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Border:

4 prop's of Border:
- Width.
- style .
- Color.
- Radius.

border-width: Top. Right. Bottom Border. Left

←→ space   ←→ space   ←→ space

Different Types of Styles: (7 types)
- solid
- dashed
- dotted
- groove
- ridge
- inset
- outset

4 Values: T, R B L

2 Values: TB RL

1 Value: TBRL

Box - Model:

→ Every element in CSS is represented usin-g BOX Model.

→ It contains 4 components:

- .. Content
- .. Padding
- .. Border
- .. Margin