CSS Basics

Why learn CSS ?

Html -> what? = description, skeleton

CSS-> how ? = appearance , styling ,formatting ,colors ,width height etc. …

CSS stands for cascading style sheets

**Selectors in CSS?**

1. Simple selector
2. Element selector
3. Class selector
4. Id selector
5. Pseudo-class selector: for e.g. :hover
6. Multiple selector
7. Universal selector
8. Nested selector
9. Attribute selector

**How to add Styling to html ?**

1. Inline
2. Internal
3. External

**Box model in css**

Margin-> border-> padding->content

**Colors in css**

Color in css can be specified by the following methods:

1. Hexadecimal colors - #000000
2. RGB colors – rgb(255,1,0)
3. Pre-defined cross-borwser color names - green
4. RGBA color-rgba(255,255,255,0.5)
5. HSL color
6. HSLA colors

**Fonts :-**

1. Font family
2. Font-weight
3. Font-style
4. Emphasis & importance
5. How to add external fonts?

**Units in css:-**

1. Absolute unit -> mm,cm,in,px
2. Percentage - > 100%
3. Relative unit
4. Relative to font size -> em- relative to parent element,rem-
5. Related to document/viewport - > vw,vh

**CSS gradients -**  let you display smooth transition between two or more specified colors.

. Css defines three types of gradients:

1. Linear Gradients(goes down/up/right/left/diagonally)

**Syntax:-** background-image: linear-gradient(red, yellow, green) by default direction is top to down

background-image: linear-gradient(to right, red, yellow, green) now direction is right to left

background-image: linear-gradient(to left , red, yellow, green) now direction is left to right

background-image: linear-gradient(to bottom right , red, yellow, green) now direction is diagonal

background-image: linear-gradient(45deg , red, yellow, green) direction using angle

background-image: linear-gradient(to bottom , red, yellow, green) now direction is left to right

1. Radial gradient(defined by there center).

**Syntax:-** background-image: radial-gradient(red, yellow, green)

background-image: radial-gradient(red 5%, yellow 10%, green 50%) colors according to %tage

1. Conic gradient(rotated around)