**Linking CSS file to .html File**

<link href="styles/style.css" rel="stylesheet" /> by adding these line in head element

**Selectors:**

**Universal :\*{}** Selects all elements. | **Class : .classname{}** Select by class name. | **Id : #id{} select by id**

**Attribute :** Property of a tag access with type[attribute]{..} in style sheet. | **Pseudo-class :** selectors in actions(:hover, :visited,

active, :disabled, :focus). | **Tag :** p{} select a tag with an element name. | **Specificity :** (ID>Class>Tag) Order of selecting styles by the browser |**Chaining :** Combining multiple selectors p,h1,h2{} (type.classname). | **Descendent Combinator :** Selecting elements that

are nested within Other Html elements ol li{}.

**Visual Rules:**

**background-color :** Change the background color of text.| **color:** Change the color of the text.(**Hexadecimal :**  colors with hexadecimal code

(#FFFFFF). |**RGB :** rgb(red, green, blue) range 0-255. | **Hue, Saturation, Lightness :** hue(120,60%70%). | **opacity and alpha :** This is for

transparency -> hsla(34,100%50%,0.1) last value is opacity, rangefrom 0 to 1 % rgba(r, g, b, a). ) | **background-image :**  To change the background of an element with image. | **Font-family :** Change the text style. | **font-size :** Change the size of text. | **font-weight :** Change the text into bold, italic, normal. **Text-align :** Align the text into center, left, right. | |**Opacity :** To make elements fade into other for a nice overlay effect.| **text-transform:** To change the text into upper, lower.| **line-height :**  To change the space between the lines of text. | **letter-spacing :** To change the space between the letters. | **word-spacing :**  To change the space between the words of text. | **important :** !important can be applied to specific declaration. It will override any style no matter how specific it is

**The Box Model :**

**height and width :** Dimensions of content. | **border :** Box surrounding the content area & padding(width, color, style). | **border-radius :** Change the radius of the border(px,%). | **padding :** Space between inside of border and around the content. | **margin :** Space between outside of border and other elements. | **min-height & max-height :** height of the box model. | **min-width & max-width :** width of the box model. | **overflow :** Controls the content that spills or overflow outside of its box(hidden, scroll, visible). | **visibility :** elements can be hidden from view with the visibility property.

**Display and Positioning:**

**position :** static, relative, absolute, fixed, sticky. | **relative :** This has some offset properties(top, bottom, right, left) that will move

a way from its default static position. | **absolute:** Setting into it then other elements ignore this element & act like it is not present

on the page. | **fixed :** Element is fixed even page is scrolling. | **sticky :**  Element sticks into specific position when user scrolls. |

**z-index :** Controls the elements how far back and forward when elements are overlapped.| **inline-display :** Elements are placed in same line. |**block-display :** Elements are placed in each line like blocks.| **inline-block :** Elements are placed in same line in the form

of blocks. | **float :** This is used for wrapping text around an image (left & right). | **clear :** Specifies how elements should behave

when they bump into each other on each page (left, right, both, none).

**Flex box:**

The Flexible box layout Module, makes it eaiser to design flexible responsive layout structure without using float or position

**Container Properties :**

**display : flex;** It create a flex container**.| flex-direction :(**row,row-reverse,column,column-reverse) Specifies how items are placed in the flex container, defining main-axis and its direction. |**flex-wrap :(**wrap,nowrap,wrap-reverse)Specifies whether items are forced into a single liner or can be wrapped into multiple lines.**flex-flow:(flex-direction flex wrap)** It is the shorthand to combine both flex-direction and flex wrap | **justify-content :**  defines how space is distributed between items in flex container along the main-axis. |**align-items :** Defines how space is distributed between items in flex container along the cross-axis. | **align-content :** Defines how space is distributed between rows in flex container along the cross-axis.

**Flex Item Properties :**

**align-self :** Allows you to override align-items on individual flex items. **| flex-basis :** Specifies the ideal size of a flex item before it’s placed into a flex container. | **flex-grow :** Dictates how the unused space should be spread amongst flex items.| **flex-shrink :** allows the flex-item to shrnk first when the size of the display is decreasing | **order :** Specifies the order used to layout items in

flex container, the more the order value the block will goes to last