

## Css3 Syllabus

### Day 1 - Introduction to CSS & Selectors

- What Is Css?
- Selector & Its Types
- Ways Of Inserting Css
- Priority Of Css StyleSheets
- Comment In Css
- Id Selector
- Class Selector & Its Types
- How To Use 2 Or More Classes
- Grouping Selectors
- Background Properties

#### Assignment -

1. Create A Html Webpage And Apply Css Using External, Internal & Inline Styles (Use Id, Class Selectors).
2. Create A Div Add Some Content In It Apply Background Color & Background Image To It.

### Day 2 - Text Styling & Formatting

- Text Properties
- color
- direction
- text-align
- letter-spacing
- line-height
- text-decoration
- text-indent
- text-shadow
- text-transform
- vertical-align
- white-space
- word-spacing
- text-align-last
- text-overflow
- word-wrap

#### Assignment -

1. Create A Webpage With At Least 4 Paragraphs And Apply Different Text Properties  
(text-align, letter-spacing, text-decoration, text-transform, text-shadow)

### Day 3 - Fonts, Lists, Borders & Tables

- Font Properties
- font-family
- font-size
- font-style

- font-weight
- font-stretch
- List Properties
- list-style-type
- list-style-image
- list-style-position
- list-style (shorthand)
- border properties
- border-style
- border-width
- border-color
- border (shorthand)
- table properties
- border
- border-collapse
- border-spacing
- caption-side
- empty-cells

Assignment -

1. Apply Different Font Families, Font Sizes And Font Styles To Headings & Paragraphs
2. Create An Unordered And Ordered List, Then Style Them Using Different list-style-type And list-style-image

Day 4 - Tables, Display, and Positioning

- How To Set Table Width & Height
- Table Padding
- Table Color & Background Color
- Display Property
- What Is Block Level & Inline Elements
- Visibility Property
- Difference Between Display None & Visibility Hidden
- Position Properties
- Left, Right, Top, Bottom Properties

Assignment -

1. Create A Table With At Least 3 Columns And 5 Rows And Apply border And background colors, table properties
2. Hide An Element Using display: none And visibility: hidden, And Note The Difference
3. Create A Box And Position It Using top, right, left, And bottom properties

Day 5 - Advanced Selectors & Inheritance

- z-index Property
- overflow Property
- float & clear Property

- Conflicts In Css Styles
- Descendent Id Selector
- Inheritance In Css
- Descendent Class Selector
- Selector Priority In Css
- Important Declaration
- Universal Selector
- Child Selector
- Adjacent Selector
- Sibling Selector

Assignment -

- 1.Experiment With z-index By Overlapping Two Boxes

#### Day 6 - Pseudo Classes & Pseudo Elements

- What Is Pseudo Classes?
- Pseudo Classes (link,visited,hover,active,focus)
- content Property
- What Is Pseudo Elements
- Pseudo Elements (first-letter,first-line,selection,before,after)
- Margin Properties
- Padding Properties

Assignment -

- 1.Create A Navigation Menu And Style Links With pseudo-classes(hover,visited,active,focus)
- Give Differnt Background Colors To The Links Based On Pseudo Class

#### Day 7 - Box Model & Borders

- width & height Property
- min-width & max-width Property
- opacity Property(image,text)
- border-left-style
- border-left-width
- border-left-color
- border-left (shorthand)
- border-radius Property
- border-radius With Image
- box-shadow Property
- image box-shadow Property

Assignment -

- 1.Create A Box Add Content In It & Apply Box Shadow Effect On Box.
- 2.Add An Image In The Webpage Apply border-radius property And Make The Image Circular.

## Day 8 - Transitions & Outlines

- What Is Transition Property?
- transition-timing-function Property
- transition-property Property
- transition-duration Property
- transition-delay Property
- transition(shorthand)
- cursor Property
- text-decoration Properties
- text-decoration-line Property
- text-decoration-style Property
- text-decoration-color Property
- text-decoration(shorthand)
- outline Properties
- outline-color Property
- outline-style Property
- outline-width Property
- outline(shorthand)

### Assignment -

1. Create A Button That Changes Css Properties Such As color, background-color Smoothly  
Using The Transition Property

## Day 9 - Columns, Filters & Box Model

- Columns Properties
- column-count Property
- column-width Property
- columns
- column-rule Properties
- column-rule-style Property
- column-rule-width Property
- column-rule-color Property
- column-rule(shorthand)
- filter Properties
- What Is Box Model?
- Box Sizing
- Attribute Selector

### Assignment -

1. Add Image Into Webpage Multiple Times With Different Css Filters (blur, brightness, grayscale)  
See The Difference

## Day 10 - Flexbox & Media Queries

- What Is FlexBox?
- flexbox Properties

- Media Queries

Assignment -

1.Create A Webpage Add Responsive Navbar With Links  
Home,About,Contact,Services Etc Use Flexbox  
And Apply Media Queries To Make Webpage Mobile Friendly(On Mobile Screen  
Size The NavBar Links  
Should Be Displayed Vertically)

Day 11 - CSS Variables, Transformations & Animations

- Variables In Css
- Css calc() function
- Css Transform Properties(translate,rotate,scale)
- Css Animations
- @keyframes rule Property
- animation-name Property
- animation-duration Property
- animation-direction Property
- animation-delay Property
- animation-iteration-count Property
- animation-timing-function Property

Assignment -

1.Create An Box Apply Animation On It By Using Various Animation  
Properties  
2.Apply CSS transformations (rotate, scale, translate) On An Image Or  
Text

Day 12 - CSS Grid System

- Css Grid
- Grid Properties

Assignment -

1.Create A Basic Grid Layout With At Least 3 Rows And 3 Columns