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# Agenda

- Introduction to CSS
  - Three Ways to Insert CSS
  - CSS Syntax
  - CSS Selectors
  - CSS Colors
  - CSS Backgrounds
  - CSS Height, Width, and Max-width
  - CSS Fonts
  - CSS Links
  - CSS Lists
  - CSS Opacity / Transparency
- 



# Introduction to CSS

## What is CSS?

- Cascading Style Sheets definition and purpose
- Separation of content (HTML) and presentation (CSS)
- Benefits of using CSS in modern web development

## CSS Evolution?

- CSS1, CSS2, CSS3 overview
  - Modern CSS features and browser support
- 

# Three Ways to Insert CSS

## 1- Inline CSS

```
<p style="color: blue; font-size: 16px;">This is inline CSS</p>
```

# Three Ways to Insert CSS

## 2- Internal CSS:

```
<head>
  <style>
    p { color: blue; font-size: 16px; }
  </style>
</head>
```

# Three Ways to Insert CSS

## 3- External CSS:


```
<link rel="stylesheet" href="styles.css">
```



# CSS Syntax

## Basic Structure:

```
selector {  
  property: value;  
  property: value;  
}
```







# CSS Selectors

## Element Selectors:

```
p { color: red; }  
h1 { font-size: 24px; }
```






# CSS Selectors

## Class Selectors:

```
.highlight { background-color: yellow; }  
.nav-item { padding: 10px; }
```






# CSS Selectors

## ID Selectors:

```
#header { width: 100%; }  
#main-content { margin: 20px; }
```






# CSS Selectors

## Descendant Selectors:

```
nav ul { list-style: none; }  
article p { line-height: 1.6; }
```



# CSS Colors

## Color Values:

- Named colors: red, blue, green
- Hex values: #FF0000, #00FF00
- RGB values: rgb(255, 0, 0)
- RGBA values: rgba(255, 0, 0, 0.5)
- HSL values: hsl(0, 100%, 50%)

```
color: #333;           /* text color */  
background-color: #f0f0f0; /* background color */  
border-color: red;      /* border color */
```

# CSS Backgrounds

## CSS Backgrounds:

### ➤ Background Properties

```
background-color: #f4f4f4;  
background-image: url('image.jpg');  
background-repeat: no-repeat;  
background-position: center;  
background-size: cover;
```



# CSS Backgrounds

## CSS Backgrounds:

### ➤ Shorthand Property

```
background: #f4f4f4 url('image.jpg') no-repeat center/cover;
```




# CSS Backgrounds

## CSS Backgrounds:

### ➤ Gradient Backgrounds

```
background: linear-gradient(45deg, #ff6b6b, #4ecdc4);
```



# CSS Height, Width, and Max-width

## Dimension Properties:

### Units of Measurement:

- Pixels (px) – absolute
- Percentages (%) – relative
- Viewport units (vw, vh)
- Em and rem units

```
width: 300px;  
height: 200px;  
max-width: 100%;  
min-height: 400px;
```



## CSS Height, Width, and Max-width

### Responsive Considerations:

```
.container {  
  width: 90%;  
  max-width: 1200px;  
  margin: 0 auto;  
}
```



# CSS Fonts

## Font Properties:

### Web-Safe Fonts:

- System fonts vs. web fonts
- Font stacks for fallbacks


```
font-family: 'Arial', sans-serif;  
font-size: 16px;  
font-weight: bold;  
font-style: italic;  
line-height: 1.6;
```



# CSS Links

## Link States:

```
a:link { color: blue; }  
a:visited { color: purple; }  
a:hover { color: red; }  
a:active { color: orange; }
```





# CSS Links

## Link Styling Techniques:

```
a {  
  text-decoration: none;  
  border-bottom: 2px solid transparent;  
  transition: border-color 0.3s;  
}  
  
a:hover {  
  border-color: #007bff;  
}
```

# CSS Links

## Button-style Links:

```
.btn-link {  
  display: inline-block;  
  padding: 10px 20px;  
  background: #007bff;  
  color: white;  
  border-radius: 5px;  
}
```

# CSS Lists

## List Properties:

```
ul {  
  list-style-type: none;  
  padding: 0;  
  margin: 0;  
}  
  
ol {  
  list-style-type: decimal;  
  padding-left: 20px;  
}
```

# CSS Lists

## Custom List Styling:

```
.custom-list li {  
    position: relative;  
    padding-left: 25px;  
}  
  
.custom-list li::before {  
    content: "→";  
    position: absolute;  
    left: 0;  
    color: #007bff;  
}
```



# CSS Lists

## Navigation Lists:

```
.nav-list {  
  display: flex;  
  list-style: none;  
  gap: 20px;  
}
```






## CSS Opacity / Transparency

### Opacity Property:

```
.transparent-box {  
  opacity: 0.7; /* 0 = fully transparent, 1 = fully opaque */  
}
```





# CSS Opacity / Transparency

## RGBA for Selective Transparency:

```
.overlay {  
  background-color: rgba(0, 0, 0, 0.5); /* black with 50% opacity */  
}
```

THANK YOU

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