CSS-I

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Cascading style sheet

- Latest version is v3
- CSS instruct the browser on how to style the HTML page

Styles

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index.html

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <h1>Welcome to SIUE</h1>
        <p>This is a simple HTML webpage.</p>
        <p>You can add more content here.</p>
</body>
</html>
```

style.css

```
h1 {
        color: #007BFF; /* Change the color to blue */
        font-size: 24px; /* Change the font size to 24 pixels */
}
```

Styles

Different text styling options

```
h1 {
        color: #007BFF; /* Change the color to blue */
        font-size: 48px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
}
```

Working with id

index.html

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <h2 id="top_header">Welcome to SIUE</h2>
        <p id="HGHDJ">This is a simple HTML webpage.</p>
        <p>You can add more content here.</p>
</body>
</html>
```

style.css

```
#top_header {
        color: #2a7fda; /* Change the color to blue */
        font-size: 48px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
}
#HGASDF{
color}
```

Different ways to use styling

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
</head>
<body>
        <h2 style="color: #2a7fda; font-size: 48px;">Welcome to
SIUE</h2>
        <p>This is a simple HTML webpage.</p>
        <p>You can add more content here.</p>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <style>
h2 {
color: #2a7fda; /* Change the color to blue */
font-size: 48px; /* Change the font size to 24 pixels */
text-align: center;
text-transform: capitalize;
}

p {
color: #222;
font-size: 18px;
}
        </style>
</head>
<body>
        <h2 >Welcome to SIUE</h2>
        <p>This is a simple HTML webpage.</p>
        <p>You can add more content here.</p>
</body>
</html>
```

Different ways to style a web page

- Many ways to style a webpage
- Usually a website consists of many pages
- Most of the styling elements are used across the website
- If styles are only only written for a single page for other pages need to copy the code, which is not ideal
- So better to use a separate CSS file to store all these styling information

Creating a layout

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet"
type="text/css" href="style.css">
</head>
<body>
        <h2 id="top_header">Welcome to
SIUE</h2>
        <div id="text_1">
        <p >This is a simple HTML
webpage.</p>
        </div>
        <p>You can add more content
here.</p>
</body>
</html>
```

```
#top_header {
        color: #2a7fda; /* Change the color to blue */
        font-size: 18px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
}

#text_1{
        background-color: aqua;
        width: 100px;
        height: 50px;
}
```

CSS attributes

- Margin is border the element from other elements
- Padding is for within an element

```
#top_header {
        color: #2a7fda; /* Change the color to blue */
        font-size: 18px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
}

#text_1{
        background-color: aqua;
        width: 500px;
        height: 200px;
        /*padding-left: 50px;
        margin: 30px;*/
}
```

CSS fonts

- Usually multiple font families are mentioned
- If a particular font is not available in the user's system it will default to next font family mentioned in font-family

```
#top_header {
    color: #2a7fda; /* Change the color to blue */
    font-size: 18px; /* Change the font size to 24 pixels */
    text-align: center;
    text-transform: capitalize;
    font-family: Verdana, Geneva, Tahoma, sans-serif;
}
```

Using style with same ids

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <h2 id="top_header">Welcome to SIUE</h2>
        <div id="text_1">
        <p >This is a simple HTML webpage.</p>
        </div>
        <div>
        <p>You can add more content here.</p>
        </div>
        <div id="text_2">
        <p>This is text-2</p>
        </div>
</body>
</html>
```

```
#text_1, #text_2{
        background-color: aqua;
        width: 500px;
        height: 200px;
        padding-left: 50px;
        margin: 30px;

}
```

Class attribute

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <h2 class="top_header">Welcome to SIUE</h2>
        <h2 class="top_header">Department of Computer
Science</h2>
        <div id="text_1">
        <p >This is a simple HTML webpage.</p>
        </div>
        <div>
        <p>You can add more content here.</p>
        </div>
        <div id="text_2">
        <p>This is text-2</p>
        </div>
</body>
</html>
```

```
.top_header {
        color: #2ada50; /* Change the color to blue */
        font-size: 18px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
        font-weight: bold;
}
```

Priority

```
<!DOCTYPE html>
<html>
<head>
        <title>My Webpage</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <h2 class="top_header">Welcome to SIUE</h2>
        <h2 class="top_header">School of Engineering</h2>
        <h2>Department of Computer Science</h2>
        <div id="text_1">
        <p >This is a simple HTML webpage.</p>
        </div>
        <div>
        <p>You can add more content here.</p>
        </div>
        <div id="text_2">
        <p>This is text-2</p>
        </div>
</body>
</html>
```

- Inline
- Id
- Class
- type

```
h2{
        color: blueviolet;
}

.top_header {
        color: #2ada50; /* Change the color to blue */
        font-size: 18px; /* Change the font size to 24 pixels */
        text-align: center;
        text-transform: capitalize;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
        font-weight: bold;
}
```

CSS selector

```
<!DOCTYPE html>
<html>
<head>
        <title>CSS Child</title>
        <style>
        div > p {
        background-color: lightblue;
        padding: 10px;
        margin: 5px;
        }
        </style>
</head>
<body>
        <div>
                <p>This is a direct child paragraph.</p>
                <p>This is another direct child paragraph.</p>
                <div>
                        <p>This is a nested paragraph.</p>
                </div>
        </div>
                <p>This paragraph is not a direct child of the div.</p>
        <div>
                <p>Inside another div</p>
        </div>
</body>
</html>
```

- DOM structure

Linking to a external CSS source

```
<!DOCTYPE html>
<html>
<head>
        <title>CSS Child</title>
        <link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
        <div>
        <p class="w3-panel w3-pale-green">This is a direct child paragraph.</p>
        <p class="w3-panel w3-red">This is another direct child paragraph.</p>

        </div>
</body>
</html>
```

Thank you

See you all in the next class