COMP2121 E-Business

Lab 3: CSS

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References

- https://www.w3.org/Style/CSS/

- http://www.w3.org/TR/2011/REC-CSS2-20110607/

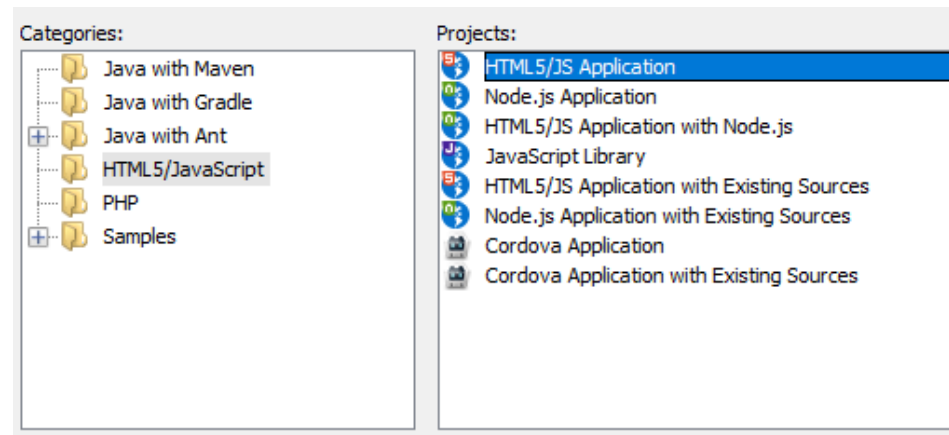- https://www.w3schools.com/css/

- https://drafts.csswg.org/css-style-attr/

Cascading Style Sheets (CSS)

- CSS describes how HTML elements are to be displayed on screen, paper, or in other media;

- CSS saves a lot of work. It can control the layout of multiple web pages all at once;

- External stylesheets are stored in CSS files;

Ex1: Create a project

- Open your Netbeans IDE (Run as administrator)

- Click File -> New Project → HTML 5/JS Application

- Create a folder named "Lab03CSS" (no space) under your working folder which has been done in previous Labs.

Ex1: Create a project

- Create a folder named "Lab03CSS" (no space) under your working folder which you have created in Lab 1; For example,

Steps

1. Choose Project
2. **Name and Location**
3. Site Template
4. Tools

Name and Location

Project Name: `Lab03CSS`

Project Location: `D:\eBusinessKevinYuenLabs`   Browse...

Project Folder: `D:\eBusinessKevinYuenLabs\Lab03CSS`

- Choose no site template

Steps

1. Choose Project
2. Name and Location
3. **Site Template**
4. Tools

Site Template

Optionally initialize your project structure with a site template.
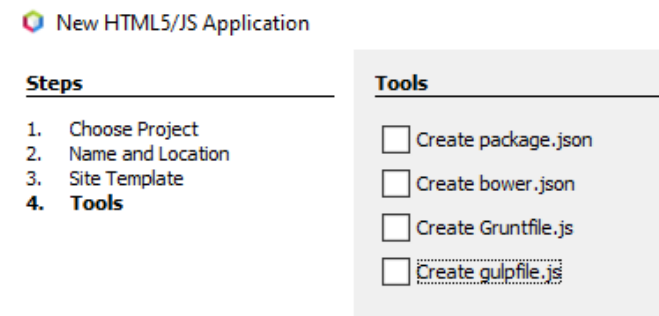
⦿ No Site Template

◯ Select Template:
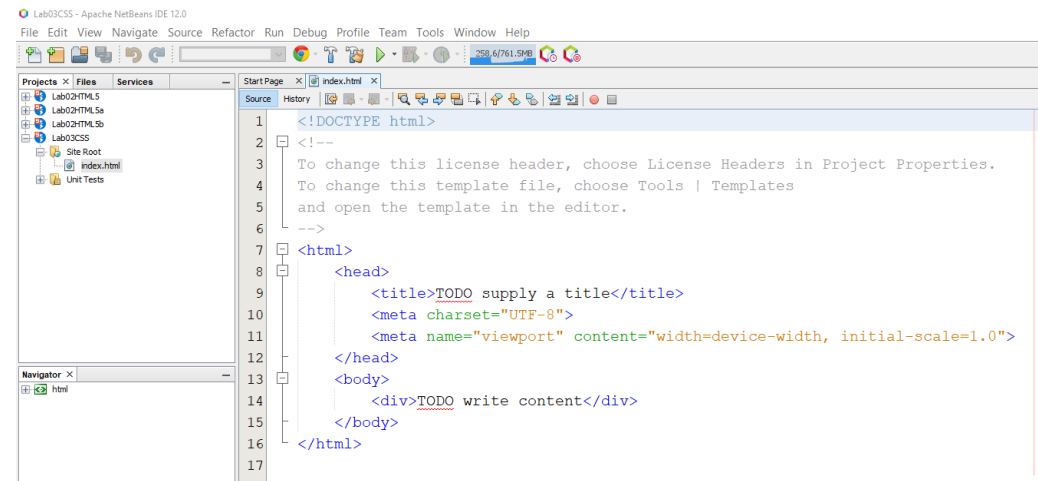
Template: [⌄] Browse...

Local archive file or a URL pointing to remote archive file can be specified.

Ex1: Create a project

- Uncheck these (.json and .js) as we do not need them at this moment.
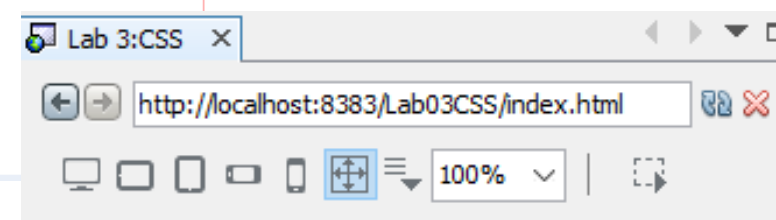

- Finally, we will have this

How and Where to write CSS

- Inline CSS: used in the HTML element.
- Internal CSS: <style> tags within a single document.
- External CSS: Link to an external .css file.

Ex2: Inline CSS

```
1    <!DOCTYPE html>
2    <!--
3    This is Lab 3: CSS
4    -->
5    <html>
6        <head>
7            <title>Lab 3:CSS</title>
8            <meta charset="UTF-8">
9            <meta name="viewport" content="width=device-width, initial-scale=1.0">
10       </head>
11       <body>
12           <div style="color:blue">
13               Test an inline CSS attribute in div.
14           </div>
15       </body>
16   </html>
```

Test an inline CSS attribute in div.

Ex3:internal CSS

```html
<!DOCTYPE html>
<!--
This is Lab 3: CSS
-->
<html>
    <head>
        <title>Lab 3:CSS</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <style>
            div{
                color: aqua
            }
        </style>
    </head>
    <body>
        <div style="color:blue">
            Test an inline CSS attribute in div.
        </div>

        <div>
            Test an internal CSS attribute in div.
        </div>
    </body>
</html>
```
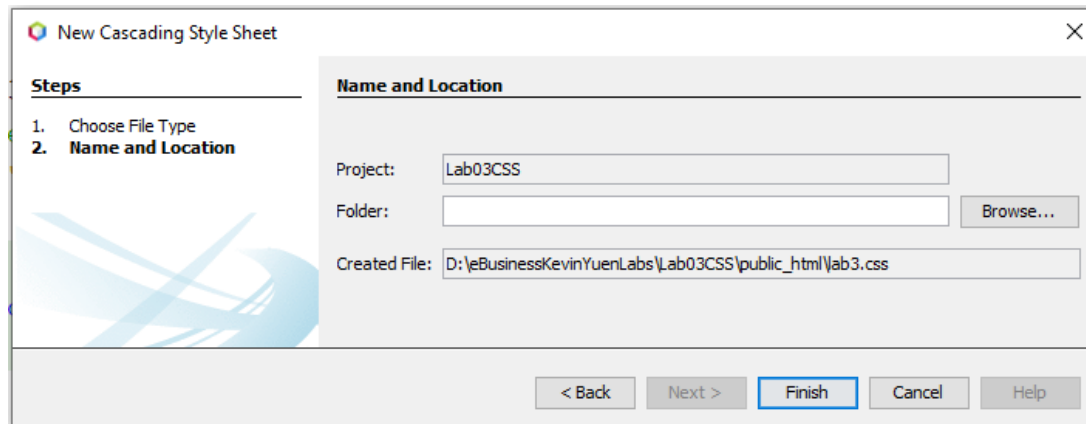
Test an inline CSS attribute in div.
Test an internal CSS attribute in div.

Ex4:external CSS

1. New a CSS File, named lab3.css

2. Type the code into the new file

```
div{
    color:brown
}


p {
    color:darkblue
}
```

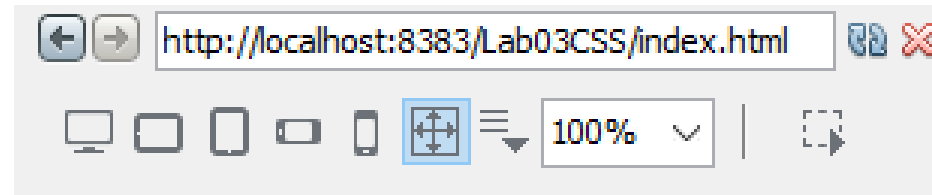## 3. Type the <Link> tag below <style>

```
<link rel="stylesheet" type="text/css" href="lab3.css">
```

Ex4:external CSS

4. Type the <p> tags below <div> tags

```
<p>Test an external CSS attribute in div.</p>
```

http://localhost:8383/Lab03CSS/index.html

100%

Test an inline CSS attribute in div.
Test an internal CSS attribute in div.

Test an external CSS attribute in div.

Ex5: Order

```html
<html>
    <head>
        <title>Lab 3:CSS</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <style>
            div{
                color: aqua
            }
        </style>
        <link rel="stylesheet" type="text/css" href="lab3.css">

    </head>
    <body>
        <div style="color:blue">
            Test an inline CSS attribute in div.
        </div>

        <div>
            Test an internal CSS attribute in div.
        </div>

        <p>Test an external CSS attribute in div.</p>

    </body>
</html>
```

Test an inline CSS attribute in div.
Test an internal CSS attribute in div.

Test an external CSS attribute in div.

Test Cases:
1. Move <Link ...> above <Style>
2. Add <div> tags to embrace <p> tags

```html
<link rel="stylesheet" type="text/css" href="lab3.css" />
<style>
    div{
        color: aqua
    }
</style>
```

```html
<div>
<p>Test an external CSS attribute in div.</p>
</div>
```
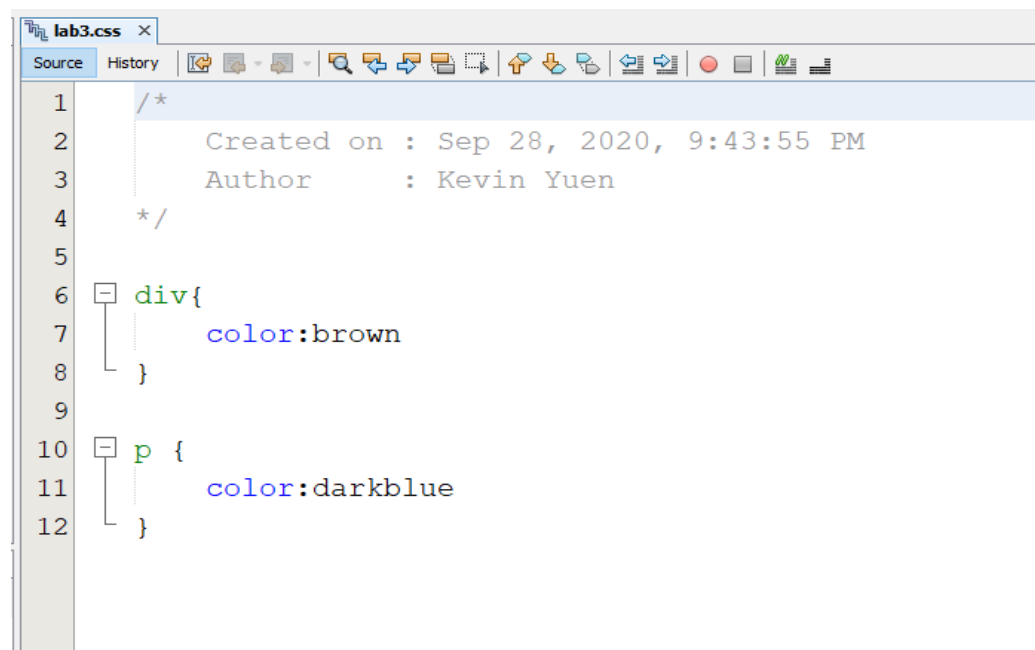
Test an inline CSS attribute in div.
Test an internal CSS attribute in div.

Test an external CSS attribute in div.

Ex6: Comments

```
<style>
    /* This is
    just for
    comments */
    div{
        color: aqua
    }
</style>
```

```css
lab3.css
Source  History

1    /*
2        Created on : Sep 28, 2020, 9:43:55 PM
3        Author     : Kevin Yuen
4    */
5
6    div{
7        color:brown
8    }
9
10   p {
11       color:darkblue
12   }
```

1. Press ctr + /
2. Source -> Toggle comment

Ex 7: HTML

```html
<!DOCTYPE html>
<!--
A simple demo
-->
<html>
    <head>
        <title>KKF Yuen Company</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <link rel="stylesheet" type="text/css" href="lab3b.css" />
    </head>

    <body>
      <div class="container wrapper">
        <h1>Welcome to KKF Yuen Company</h1>

      <div class="wrapper">
          <ul id="mList">
            <li class="mItem" ><a href="#home">Home</a></li>
            <li class="mItem" ><a href="#Product">Product</a></li>
            <li class="mItem" ><a href="#Promotion">Promotion</a></li>
            <li class="mItem" ><a href="#SignIn">Sign In</a></li>
            <li class="mItem" ><a href="#Help">Help</a></li>
          </ul>
        <hr>
```

```html
        <h1 id="home">Home</h1>
        <p>This is our home page.<br>
           We are updating the content.</p>

        <hr>
        <h1 id="Product">Product</h1>
        <h2>Product 1</h2>
        <p> Product 1 Description </p>

        <h2>Product 2</h2>
        <p> Product 2 Description </p>

        <h2>Product 3</h2>
        <p> Product 3 Description </p>

        <hr>
         <div id="Promotion">
            <h3>Promotion</h3>
            <p>Promotion is coming</p>
         </div>
      </div>

        <hr>
        <div id="endnote">
          No Copyright @ 2020 Kevin Yuen
        </div>
      </div>
    </body>
</html>
```

Welcome to KKF Yuen Company

- [Home](#)
- [Product](#)
- [Promotion](#)
- [Sign In](#)
- [Help](#)

Home

This is our home page.
We are updating the content.

Product

Product 1

Product 1 Description

Product 2

Product 2 Description

Product 3

Product 3 Description

Promotion

Promotion is coming

No Copyright @ 2020 Kevin Yuen

Ex8: CSS

```css
/*
    Created on : Sep 28, 2020, 10:20:14 PM
    Author     : Kevin Yuen
*/
body {
    font: 100% Verdana;
    margin: 20px;
    line-height: 26px;
}

.container {
    xmin-width: 500px;
}

.wrapper {
    position: relative;
    overflow: auto;
}

#Promotion {
    background-color: #e1e1e1;
    border: 1px solid #d5d5d5;
    padding-left: 10px;
}
```

```css
#endnote {
    text-align: center;
    padding: 10px;
    font-size: 70%;
    line-height: 14px;
}


h1, h2, h3 {
    color: darkcyan;
}


#mList {
    padding: 0;
    position: relative;
    overflow: auto;
}
```

```css
.mItem {
    width: 100px;
    float: left;
    background-color: #777777;
    color: aqua;
    list-style-type: none;
    margin: 4px;
    padding: 2px;
    text-align: center;
    cursor: pointer;
}


.mItem:hover {
    background-color: #999999;
}

a:hover {
    color: brown;
}
```

Welcome to KKF Yuen Company

Home	Product	Promotion	Sign In	Help

Home

This is our home page.
We are updating the content.

Product

Product 1

Product 1 Description

Product 2

Product 2 Description

Product 3

Product 3 Description

Promotion

Promotion is coming

Q&A
Thank you