Universiti Teknologi Malaysia

Faculty of Computing

SECV2223 Web Programming

CSS Tutorial 3a – inline, internal, external

Cascading Style Sheet

Objective

At the end of this exercise, you should know:

- The CSS syntax

- Use CSS syntax either inline, embedded, or external

Preparing the Tutorial Material

Before starting this tutorial, prepare the require file. Follow the steps below:

1. Create new folder (either on you r *desktop* or your *pendrive*)

2. Download *"Tutorial 3a – Material"* and save in the *folder* you have created.

3. Extract the file in the same folder.

Writing the CSS

In this section, you will be provided with three exercises on writing CSS – *inline, embedded*, and *linked.* You are given the CSS script to type. However, the objective of this section is not only about typing, but the most important is to understand the CSS syntax. Thus, after you done with typing, please try to understand the code.

1. By using the **Textpad** software, open the file **T3a-1.html** from the folder. Complete the file by typing the document below – type the code that have shading only. When completed, *preview* it – open the file in the **Internet Explorer.** This section shows the CSS code writing in *inline*.

```
<html>
  <head>
    <title>Inline Styles</title>
  </head>
<body>

  <p>This text does not have any style applied to it.</p>

  <!-- The style attribute allows you to declare -->
  <!-- inline styles. Separate multiple styles -->
  <!-- with a semicolon. -->
  <p style = "font-size: 20pt">This text has the
  <em>font-size</em> style applied to it, making it 20pt.
  </p>

  <p style = "font-size: 20pt; color: #0000ff">
  This text has the <em>font-size</em> and
  <em>color</em> styles applied to it, making it
  20pt. and blue.
  </p>

</body>
</html>
```

2. Do the same steps as number 1 for file **T3a-2.html**. This section shows the example of CSS style – embedded.

```html
<html>
  <head>
    <title>Embedded Style Sheets</title>
    <!-- Declaring a style sheet in the header section. -->
    <!-- this begins the style sheet section -->
    <style type = "text/css">
        em { background-color: #8000ff;
            color: white }
        h1 { font-family: arial, sans-serif }
        p { font-size: 14pt }
        .special { color: blue }
    </style>
  </head>
<body>
    <!-- this class attribute applies the .special style -->
    <h1 class = "special">Deitel &amp; Associates, Inc.</h1>
    <p>Deitel &amp; Associates, Inc. is an internationally
       recognized corporate training ........ and World Wide Web
       programming, and Object Technology.</p>

    <h1>Clients</h1>
    <p class = "special"> The company's clients include many
<em>Fortune 1000 companies</em>, government agencies,
       branches of ............ Cyber Classrooms, satellite
       courses and World Wide Web courses.</p>
</body>
</html>
```

3. Next, you will write CSS as *linked*. Open file **T3a-3.html**. Complete the file based on the scripts below.

CSS Script: **T3a-3.css**

```
/* An external stylesheet */

a { text-decoration: none }

a:hover { text-decoration: underline;
          color: red;
          background-color: #ccffcc }

li em { color: red;
        font-weight: bold;
        background-color: #ffffff }

ul { margin-left: 2cm }

ul ul { text-decoration: underline;
        margin-left: .5cm }
```

HTML Script: **T3a-3.html**.

```
<html>
   <head>
      <title>External Style Sheets</title>
      <link rel = "stylesheet" type = "text/css"
            href = "T3a-3.css" />
   </head>
<body>
   <h1>Shopping list for <em>Monday</em>:</h1>
   <ul>
      <li>Milk</li>
      <li>Bread
   <ul>
      <li>White bread</li>
      <li>Rye bread</li>
      <li>Whole wheat bread</li>
   </ul>
      </li>
      <li>Rice</li>
      <li>Potatoes</li>
      <li>Pizza <em>with mushrooms</em></li>
   </ul>
   <p>
      <a href = "http://www.food.com">Go to the Grocery store</a>
   </p>

</body>
</html>
```