
Tutorial 3a

Cascading Style Sheet

Objectives:

Upon completion of this tutorial, you should be able to:

- Understand the *CSS syntax*.
- Using *inline*, *embedded*, and *external* CSS.

Preparing the Tutorial:

You are required to follow the following procedure:

1. Create a new *folder*.
2. *Download* “Tutorial 3a – Material” and place it within the created new *folder*.
3. *Extract* the *downloaded* file into the same folder.

CSS tasks:

In this section, you are going to be play with the three types of CSS – *inline*, *embedded* and *linked*. A working CSS scripts are given for your reference. You are required to write them accordingly. In the same time, you are required to understand the *syntax* of the given CSS *scripts*. You are encouraged to play around with the given *scripts*.

1. **CSS Inline example:** By using a text editor (e.g., Textpad), open the **T3a-1.html** file. Complete the file by typing the following highlighted CSS *scripts*. Once completed, open the file in a web browser.

```
<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. **CSS Embedded example:** Complete the **T3a-2.html** file by following the same procedure in the previous example.

```
<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 & Associates, Inc.</h1>

    <p>Deitel & 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. **CSS linked example:** Open the **T3a-3.css** and **T3a-3.html**. Compe the files accordingly to the following *scripts*/

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>
```

Tutorial Submission:

Place all the created files in a compressed/zipped file and submit it on the e-learning site.

A dedicated submission link will be given for the submission “ Student Submission Tutorial 3a”.