

CSS Selectors

Class Selector

Example of Class Selector

```
<!DOCTYPE html>
<html lang="en">

<head>
  <title>Class Selectors </title>
  <style type="text/css">
    /* text-align: left | right | center | justify */
    p.normal {
      color:blue;
      text-align: right;
    }

    p.warning {
      color:red;
      text-align: center;
    }
  </style>
</head>

<body>
  <p class="normal">
    I've learned that people will forget what you said, people will forget what you
    did, but people will never
    forget how you
    made them feel."
    <cite>- Maya Angelou</cite>

  </p>
  <p class="warning">
    "Always forgive your enemies; nothing annoys them so much." – Oscar Wilde
  </p>
</body>

</html>
```

Generic Selectors

Example of Generic Class Selector

```
<!DOCTYPE html>
<html lang="en">

<head>
  <title>Generic Selectors </title>
  <style type="text/css">
    /* text-decoration: none | underline | overline | line-through | blink */
    .alert {
      color: red;
      text-decoration: underline;
    }
  </style>
</head>

<body>
  <h1> Selector Forms </h1>
  <h2 class="alert">Generic Class Selector</h2>
  <p class="alert">
    "Always forgive your enemies; nothing annoys them so much." – Oscar Wilde
  </p>
</body>
</html>
```

Task: Class selector task for Styling Multiple Paragraphs and a Button Using Different CSS Levels

Objective:

Apply **Inline, Document-Level, and External CSS** to style multiple paragraphs and a button in a webpage.

Instructions:

1. **Create an HTML file (task.html)** with the following elements:
 - A heading (**h1**) with the text **"CSS Styling Task"**
 - Three paragraphs (**p**) with different texts:
 - First paragraph: **"This paragraph is styled using inline CSS."**
 - Second paragraph: **"This paragraph is styled using document-level CSS."**
 - Third paragraph: **"This paragraph is styled using external CSS."**
 - A button (**button**) with the text **"Hover Over Me!"**
2. **Apply CSS using the three different levels:**
 - **Inline CSS:**
 - Apply inline styles to the **first paragraph (p)**, setting **color to red and font size to 16px**.
 - **Document-Level (Internal) CSS:**
 - Inside a **<style>** tag in the **<head>**, style the **second paragraph** to have **blue text and italic font style**.
 - **External CSS (task-styles.css):**
 - Create a CSS file and style the **third paragraph (.external-text)**:
 - Text color: **green**

- Font size: **18px**
 - Style the **button**:
 - Background color: **orange**
 - Text color: **white**
 - Padding: **10px 20px**
 - Border-radius: **5px**
 - On hover, change the background color to **dark orange**.
-

Expected Code Structure:

1. HTML File (**task.html**)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Styling Task</title>
  <link rel="stylesheet" href="task-styles.css"> <!-- External CSS Link -->
  <style>
    /* Document-Level CSS */
    .document-text {
      color: blue;
      font-style: italic;
    }
  </style>
</head>
<body>

  <h1>CSS Styling Task</h1>

  <p style="color: red; font-size: 16px;">This paragraph is styled using inline CSS.
</p>

  <p class="document-text">This paragraph is styled using document-level CSS.</p>

  <p class="external-text">This paragraph is styled using external CSS.</p>

  <button>Hover Over Me!</button>

</body>
</html>
```

2. External CSS File (`task-styles.css`)

```
/* External CSS for the third paragraph */
.external-text {
  color: green;
  font-size: 18px;
}

/* External CSS for the button */
button {
  background-color: orange;
  color: white;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}

/* Button hover effect */
button:hover {
  background-color: darkorange;
}
```

Bonus Challenge:

- Add a **border and padding** to each paragraph to differentiate them.
- Add an **active state** to the button that changes its background color when clicked.

Expected Outcome:

- **First paragraph** is styled with **Inline CSS** (red, 16px font).
- **Second paragraph** is styled with **Document-Level CSS** (blue, italic).
- **Third paragraph** is styled with **External CSS** (green, 18px font).
- **Button** is styled with **External CSS** and changes color when hovered.