

# CSS Selectors

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## 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.

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### 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**.
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### 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>
```

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## 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;  
}
```

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### 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.