

Simple Light/Dark Mode Toggle (HTML/CSS)

Question 2

You are implementing a **basic theme switcher** for a webpage. The objective is to change the overall background and text color of the body element when a specific class is added. The toggle functionality will be handled by a separate JavaScript file you don't need to write, but the CSS must be ready.

Objectives:

- Add a title **Theme Switcher Demo** to the HTML file.
- Define the base styling for the **light mode**.
- Fill logic to create a **dark mode** by setting the body's background color to **#282c34** and text color to **#f2f2f2** when it has the class **dark-theme**.
- Apply a border of 2px solid #5C6773 to the main content container (.container) in dark mode.

Constraints:

- The default state of the page must be the light theme.
- Do not change the names of the classes or element selectors.
- Ensure a smooth visual transition for color changes (0.3s ease).

Fill-in-the-Blanks Answer Set (HTML & CSS)

index2.html (Incomplete)

HTML

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title> **[BLANK 1] **</title>
```

```
  <link rel="stylesheet" href="style2.css">
```

```
</head>
```

```
<body>

  <button id="themeToggle">Toggle Theme</button>

  <div class="container">

    <h2>Theme Demonstration</h2>

    <p>This paragraph demonstrates the style change between themes.</p>

  </div>

</body>

</html>
```

style2.css (Incomplete)

CSS

```
body {

  background-color: white; /* Light mode default */

  color: black;

  transition: **[BLANK 2]**;

}
```

```
body.dark-theme {

  background-color: **[BLANK 3]**;

  color: #f2f2f2;

}
```

```
body.dark-theme .container {

  border: 2px solid **[BLANK 4]**;

}
```

```
.container {

  max-width: 800px;

  margin: 50px auto;
```

padding: 20px;

}

