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>Theme Switcher</title>

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

</head>
```

```html
<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

```css
body {

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

    color: black;

    transition:0.3s;

}


body.dark-theme {

    background-color: #282c34;

    color: #f2f2f2;

}


body.dark-theme .container {

    border: 2px #5c6773;

}


.container {

    max-width: 800px;

    margin: 50px auto;
```

```
    padding: 20px;
}
```