

## Lesson 06 Demo 02

### Demonstrating Custom Themes in Tailwind CSS

**Objective:** To demonstrate text font sizing, colors, and alignment options using Tailwind CSS and create and apply custom CSS classes using CSS variables (:root) while maintaining compatibility with Tailwind's utility classes

**Tools required:** Visual Studio Code

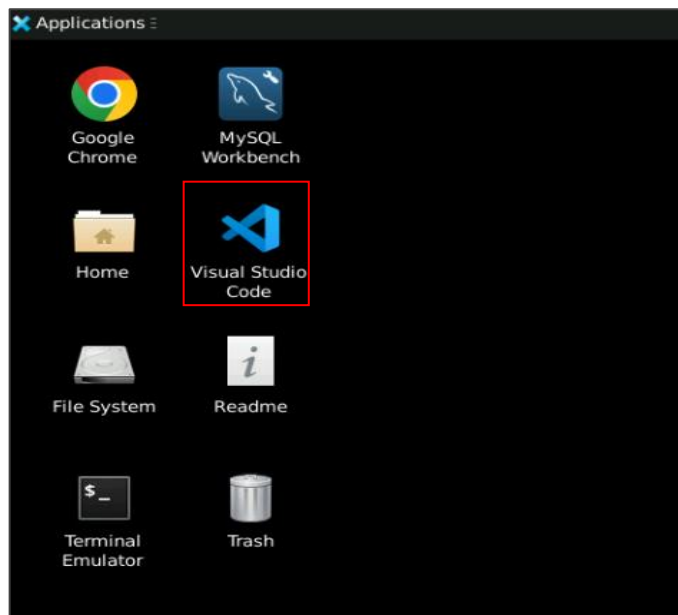
**Prerequisites:** HTML Basics

Steps to be followed:

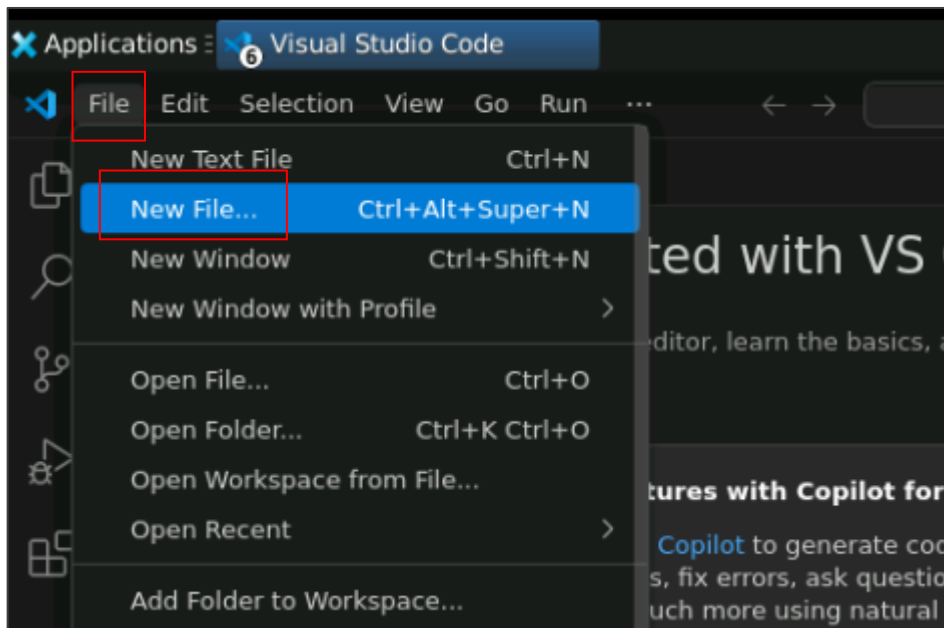
1. Open Visual Studio Code and create index.html
2. Add custom theme related code

#### Step 1: Open Visual Studio Code and create index.html

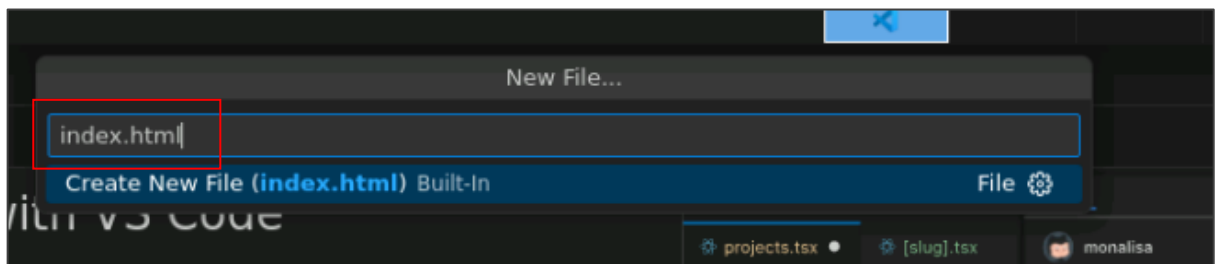
##### 1.1 Open Visual Studio Code



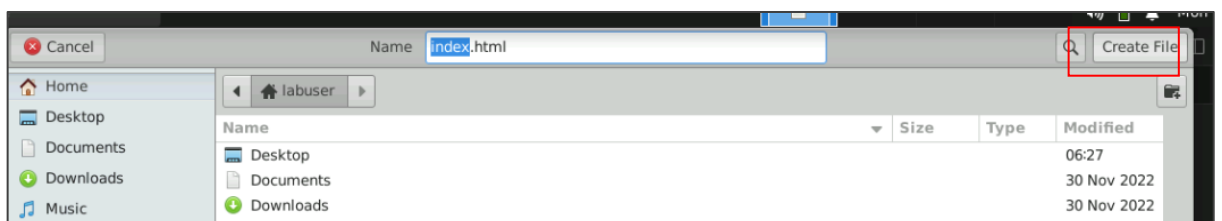
1.2 Click on **File** and then select the **New File...** option



1.3 Create an **index.html** file and press **Enter**



1.4 Click on **Create File**

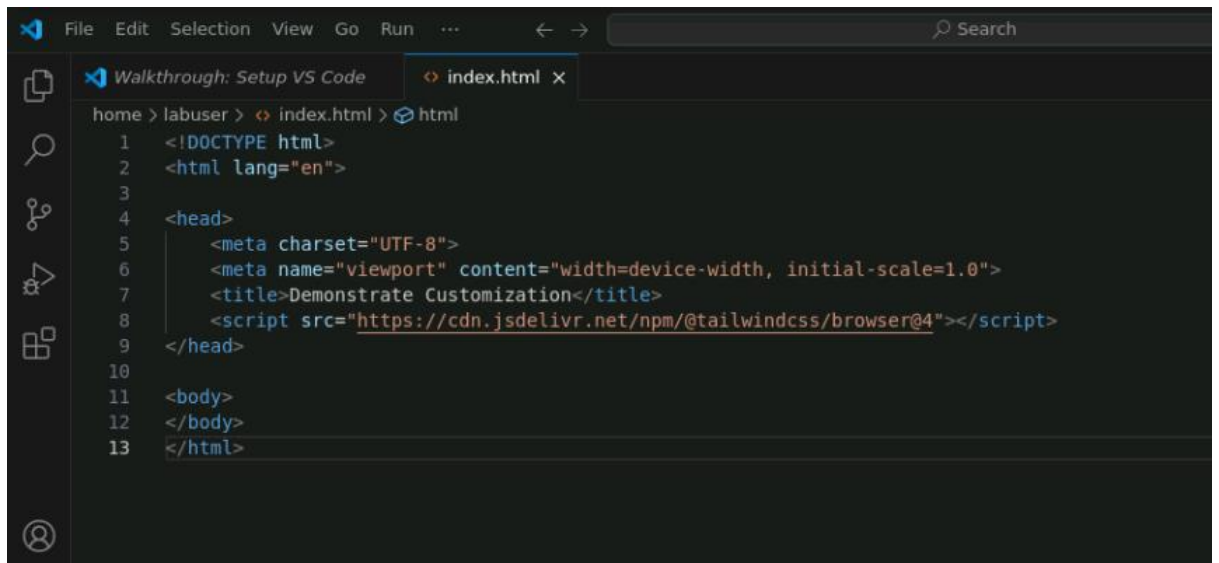


1.5 Add the following code to the index.html file to include custom font sizes and colors:

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Demonstrate Customization</title>
  <script src="https://cdn.jsdelivr.net/npm/@tailwindcss/browser@4"></script>
</head>

<body>
</body>
</html>
```

A screenshot of the Visual Studio Code (VS Code) editor interface. The top menu bar shows 'File', 'Edit', 'Selection', 'View', 'Go', 'Run', and a search icon. The left sidebar contains icons for Explorer, Search, Source Control, Run and Debug, and Extensions. The main editor area has a tab titled 'index.html' with a close button. The file path is shown as 'home > labuser > index.html > html'. The code in the editor is the same HTML code as shown in the previous block, with line numbers 1 through 13 on the left. The code is: 1 <!DOCTYPE html>, 2 <html lang="en">, 3, 4 <head>, 5 <meta charset="UTF-8">, 6 <meta name="viewport" content="width=device-width, initial-scale=1.0">, 7 <title>Demonstrate Customization</title>, 8 <script src="https://cdn.jsdelivr.net/npm/@tailwindcss/browser@4"></script>, 9 </head>, 10, 11 <body>, 12 </body>, 13 </html>. The URL in line 8 is underlined in blue.

## Step 2: Add custom theme related code

- 2.1 Modify the index.html file and add the following code to include custom font sizes and colors:

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Demonstrate Customization</title>
  <script src="https://unpkg.com/@tailwindcss/browser@4"></script>
  <style>
    :root {
      --font-xxs: 0.6rem;
      --font-xxxl: 4rem;
      --color-primary: #4CAF50;
      --color-secondary: #FF5722;
      --color-accent: #607D8B;
    }

    .text-xxs {
      font-size: var(--font-xxs);
    }

    .text-xxxl {
      font-size: var(--font-xxxl);
    }

    .text-primary {
      color: var(--color-primary);
    }

    .text-secondary {
      color: var(--color-secondary);
    }

    .text-accent {
```

```

        color: var(--color-accent);
    }
</style>
</head>

<body>
    <div class="container mx-auto p-4">
        <!-- Custom Font Sizes -->
        <h1 class="text-xxxl font-bold">This is custom XXXL text</h1>
        <p class="text-xxs mt-2">This is custom XXS text</p>

        <!-- Custom Colors -->
        <h2 class="text-2xl font-bold mt-5">Custom Colors</h2>
        <p class="text-primary mt-2">This text uses the custom primary color</p>
        <p class="text-secondary mt-2">This text uses the custom secondary
color</p>
        <p class="text-accent mt-2">This text uses the custom accent color</p>
    </div>
</body>

</html>

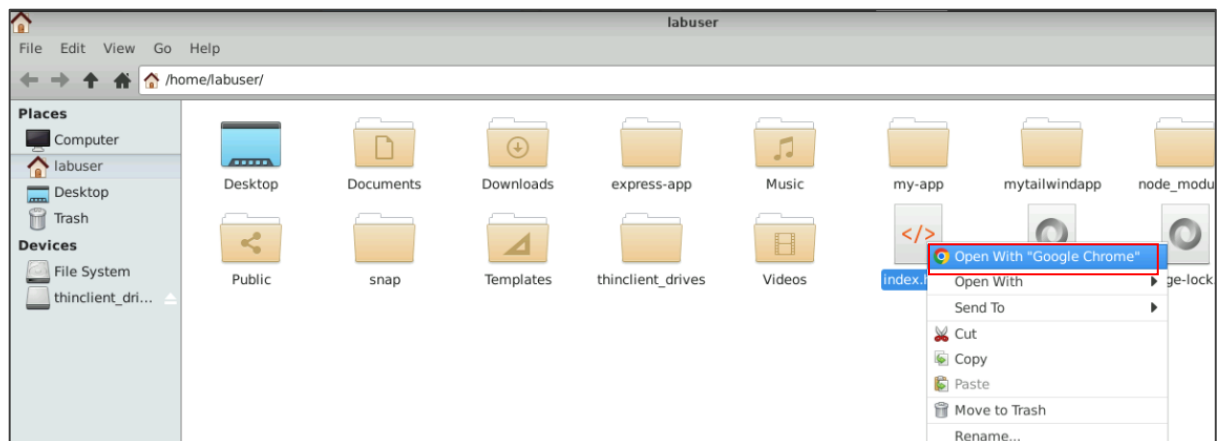
```

```

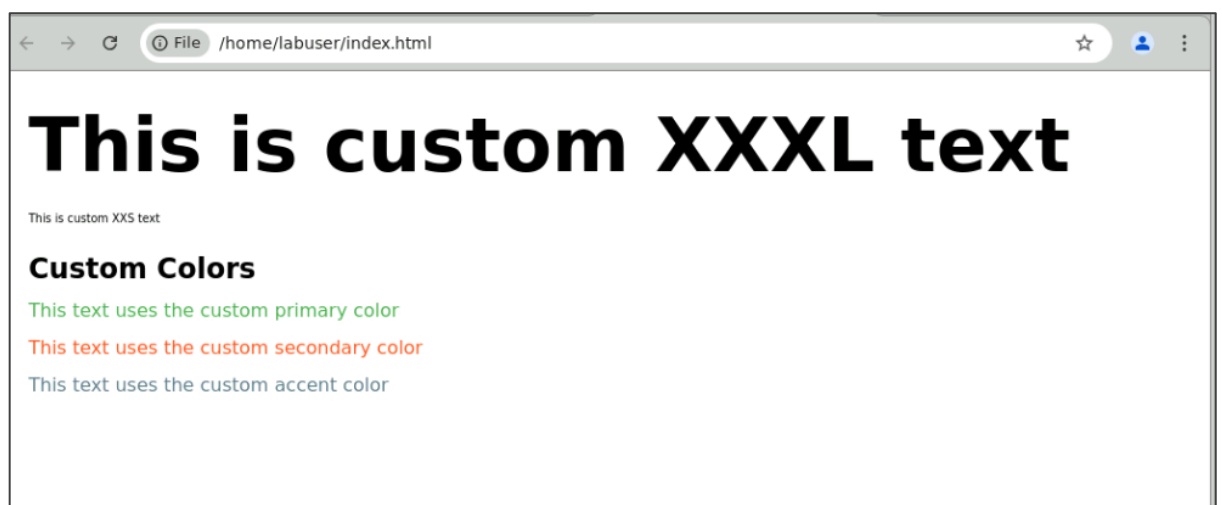
Walkthrough: Setup VS Code  index.html x
home > labuser > index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Demonstrate Customization</title>
8      <script src="https://unpkg.com/@tailwindcss/browser@4"></script>
9      <style>
10         :root {
11             --font-xxs: 0.6rem;
12             --font-xxxl: 4rem;
13             --color-primary: #4CAF50;
14             --color-secondary: #FF5722;
15             --color-accent: #607D8B;
16         }
17
18         .text-xxs {
19             font-size: var(--font-xxs);
20         }

```

2.2 Navigate to the index.html file, right-click on the file, and select **Open With “Google Chrome”**



2.3 Verify that the displayed output matches the expected appearance



By following these steps, you have successfully demonstrated how to create and apply custom themes in Tailwind CSS using CSS variables. This ensures flexibility while maintaining compatibility with Tailwind's utility classes.