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

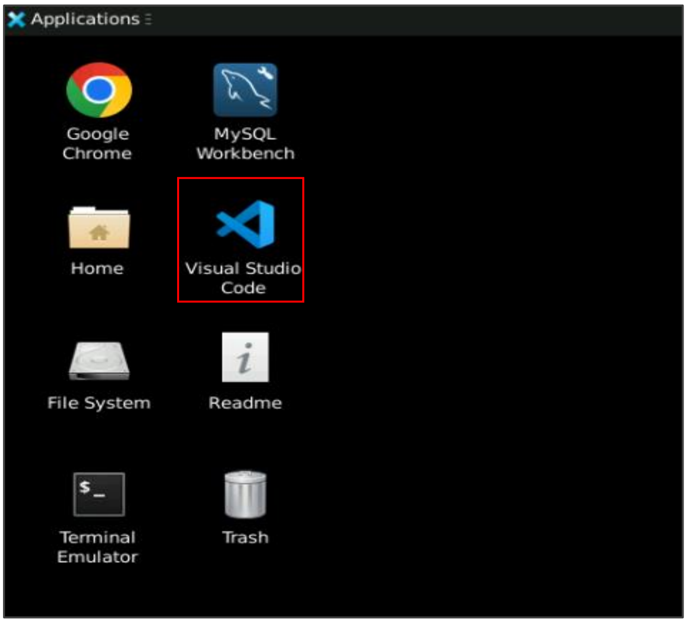
Prerequisites: HTML Basics

Steps to be followed:

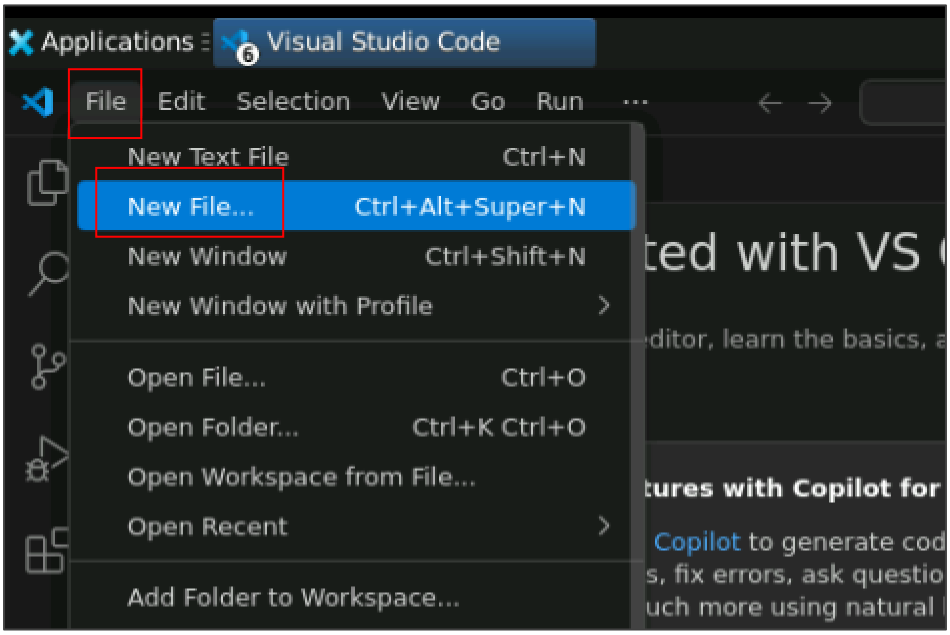
1. Open Visual Studio Code and create index.html
2. Add custom theme related code

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

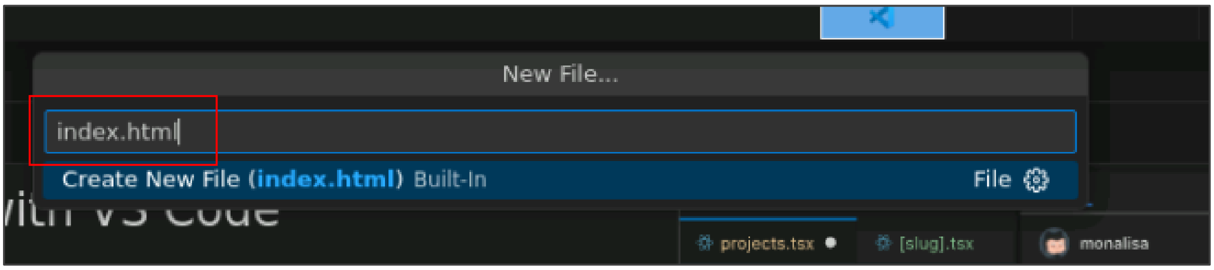
1.1 Open **Visual Studio Code**



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

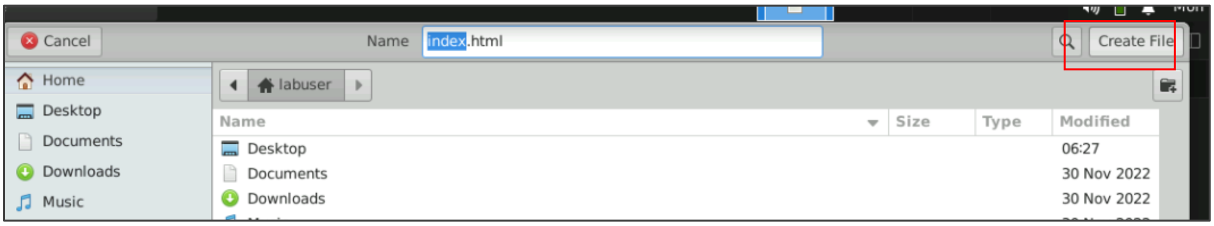


1.3 Create an **index.html** file and press **Enter**



index.html

1.4 Click on **Create File**

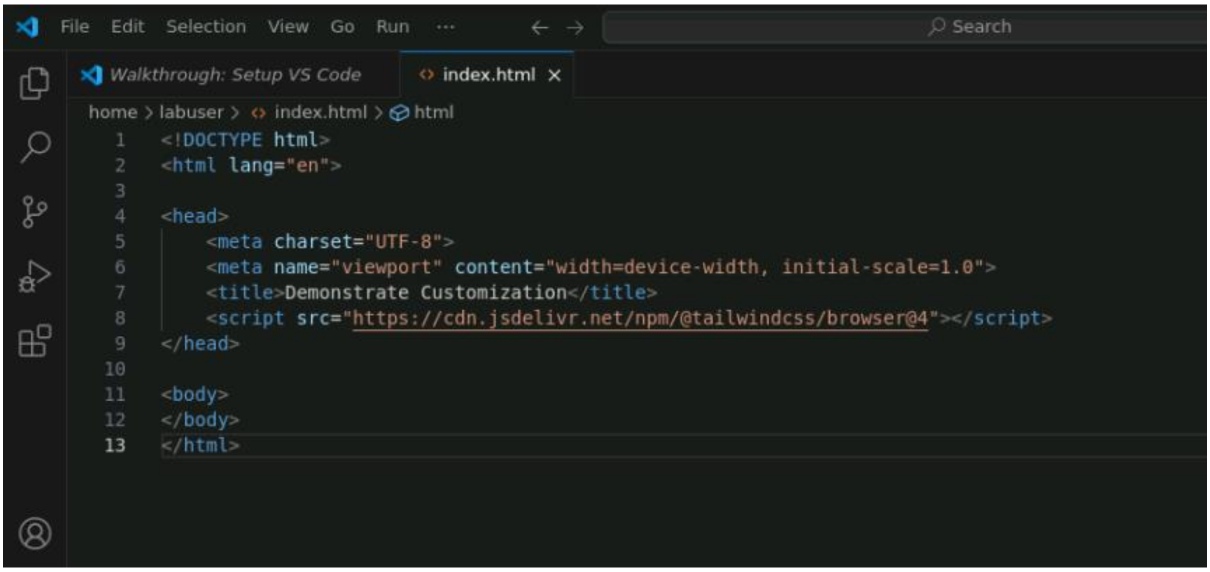


Name index.html

Name	Size	Type	Modified
Desktop			06:27
Documents			30 Nov 2022
Downloads			30 Nov 2022

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>
```

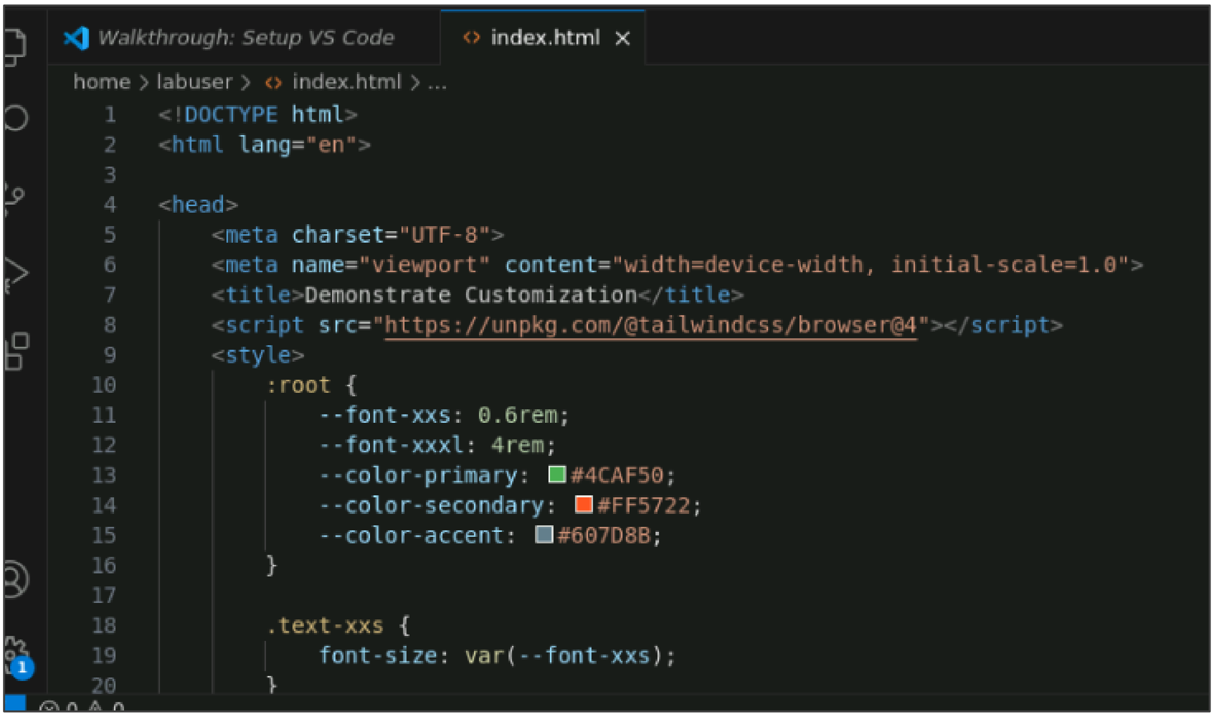

File
Edit
Selection
View
Go
Run
Search
Walkthrough: Setup VS Code
index.html
home > labuser > index.html > html

```
<!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>
```

Step 2: Add custom theme related code

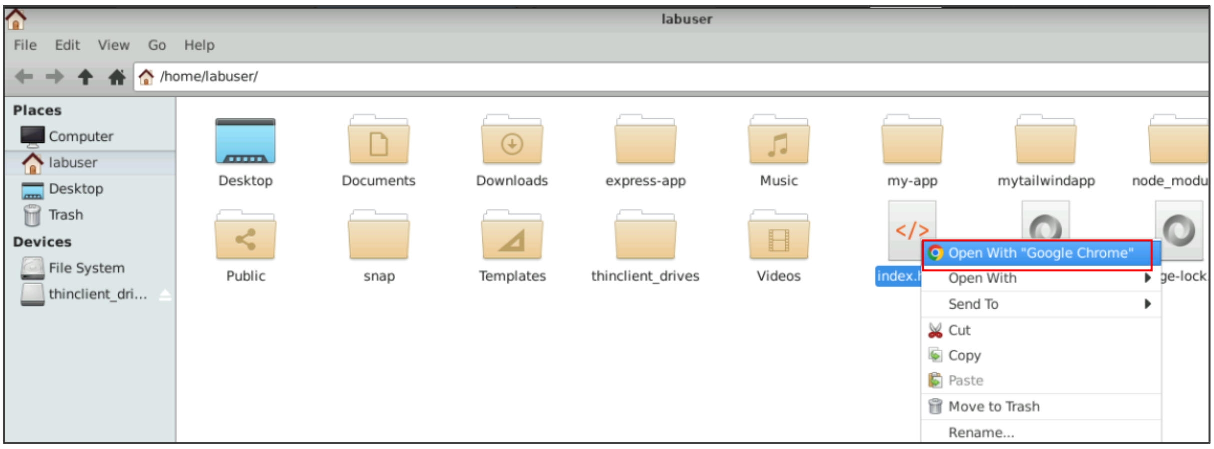
2.1 Modify the index.html file and add the following code to include custom font sizes and colors:

```
<!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>
```

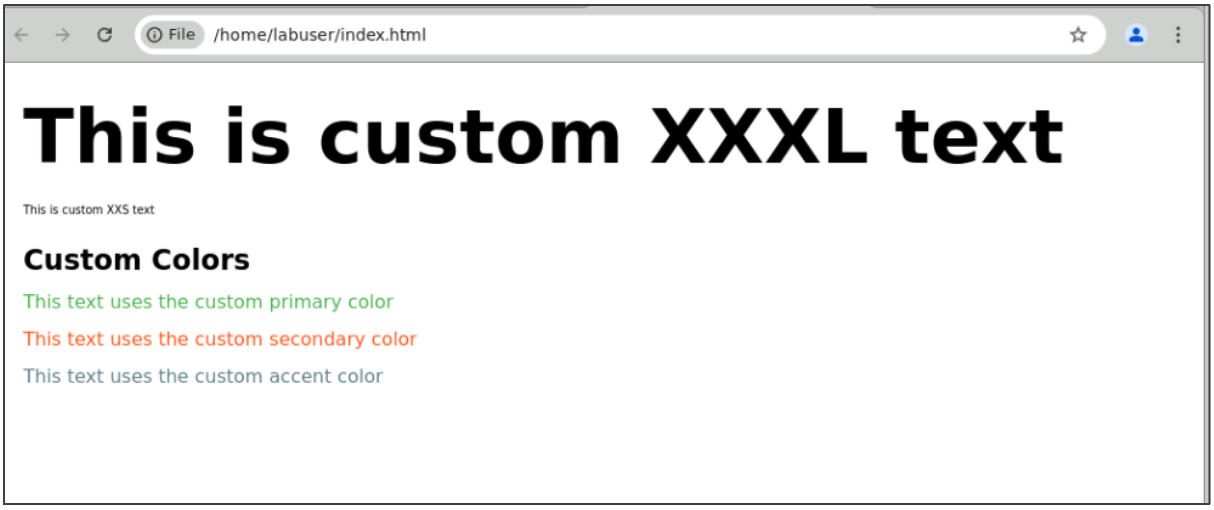


```
<!DOCTYPE html>
<html lang="en">

<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);
        }
```

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



This is custom XXXL text

This is custom XXS text

Custom Colors

This text uses the custom primary color

This text uses the custom secondary color

This text uses the custom accent color

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.