

Lesson 06 Demo 04

Demonstrating Multi-Column Layouts in Tailwind CSS

Objective: To define consecutive layouts in a new row with 3, 4, and 12 columns of different widths and showcase how to use Tailwind's column utilities to control column sizing

Tools required: Visual Studio Code

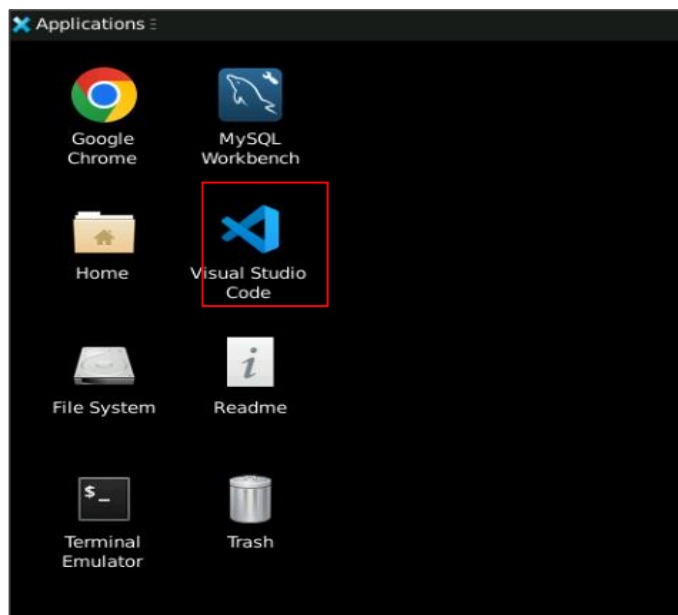
Prerequisites: HTML Basics

Steps to be followed:

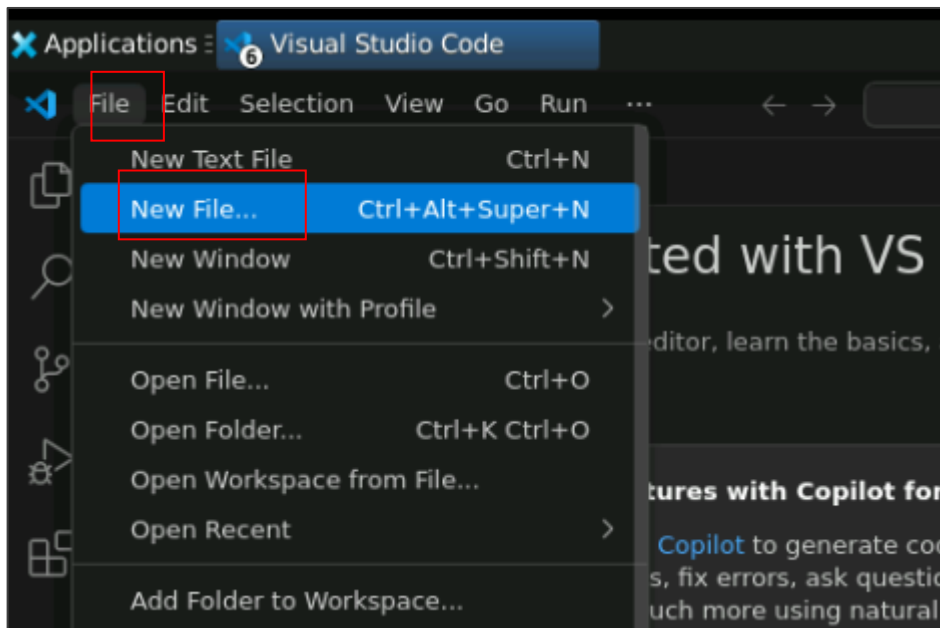
1. Open Visual Studio Code and create index.html
2. Add layout-related code

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

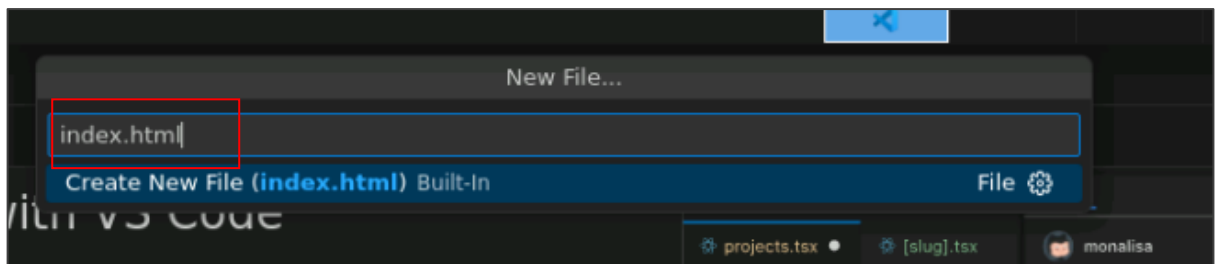
1.1 Open Visual Studio Code



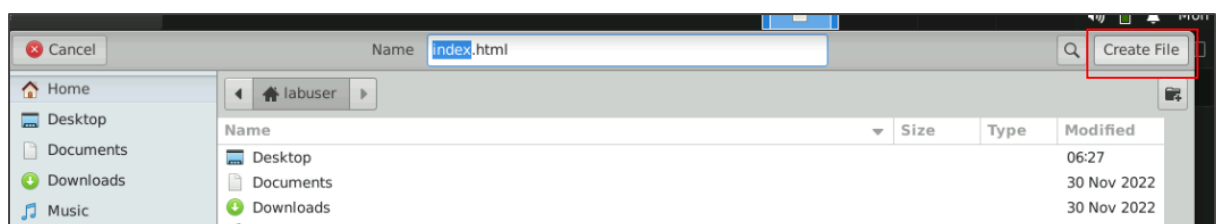
1.2 Click on **File** and then select the **New File...** option



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



1.4 Click on **Create File**

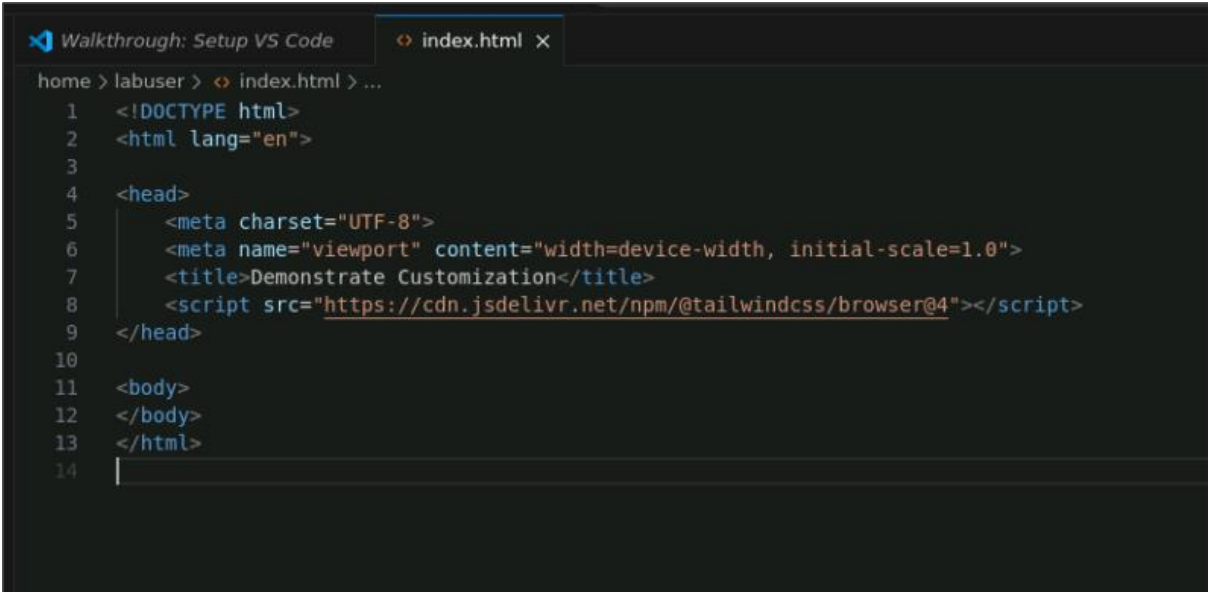


1.5 Add the following code in the index.html file:

```
<!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 editor interface. The top bar shows a tab for 'index.html' with a close button. The left sidebar displays the file explorer with the path 'home > labuser > index.html > ...'. The main editor area shows the following HTML code:

```
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>
14
```

Step 2: Add layout-related code

2.1 Modify the index.html file to include the column layouts, using the following code:

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

  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Columns Layout</title>
    <script src="https://unpkg.com/@tailwindcss/browser@4"></script>
  </head>

  <body>
    <div class="container mx-auto p-4">
      <h1 class="text-5xl">Let's explore a few column layout options.</h1>

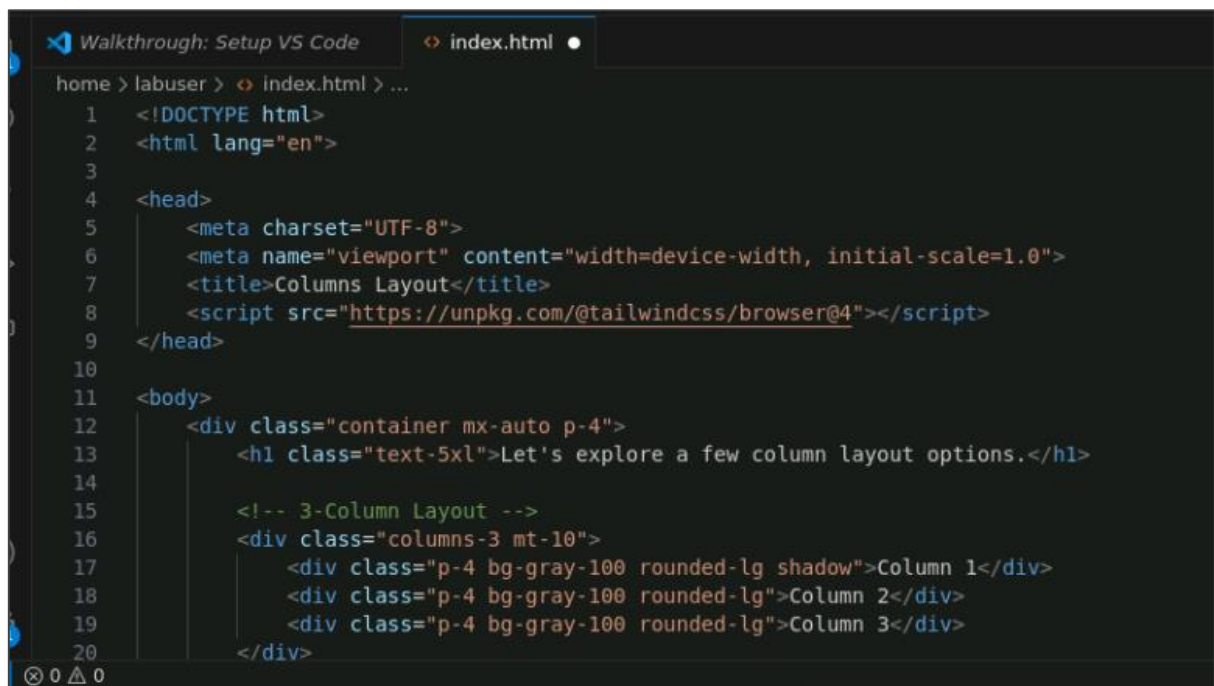
      <!-- 3-Column Layout -->
      <div class="columns-3 mt-10">
        <div class="p-4 bg-gray-100 rounded-lg shadow">Column 1</div>
        <div class="p-4 bg-gray-100 rounded-lg">Column 2</div>
        <div class="p-4 bg-gray-100 rounded-lg">Column 3</div>
      </div>

      <!-- 4-Column Layout -->
      <div class="columns-4 mt-4">
        <div class="p-4 bg-gray-100 rounded-lg shadow">Column 1</div>
        <div class="p-4 bg-gray-100 rounded-lg">Column 2</div>
        <div class="p-4 bg-gray-100 rounded-lg">Column 3</div>
        <div class="p-4 bg-gray-100 rounded-lg">Column 4</div>
      </div>

      <!-- 12-Column Layout -->
      <div class="columns-12 mt-4">
        <div class="p-2 bg-gray-100 rounded-lg shadow">Column 1</div>
        <div class="p-2 bg-gray-100 rounded-lg">Column 2</div>
        <div class="p-2 bg-gray-100 rounded-lg">Column 3</div>
        <div class="p-2 bg-gray-100 rounded-lg">Column 4</div>
        <div class="p-2 bg-gray-100 rounded-lg">Column 5</div>
        <div class="p-2 bg-gray-100 rounded-lg">Column 6</div>
```

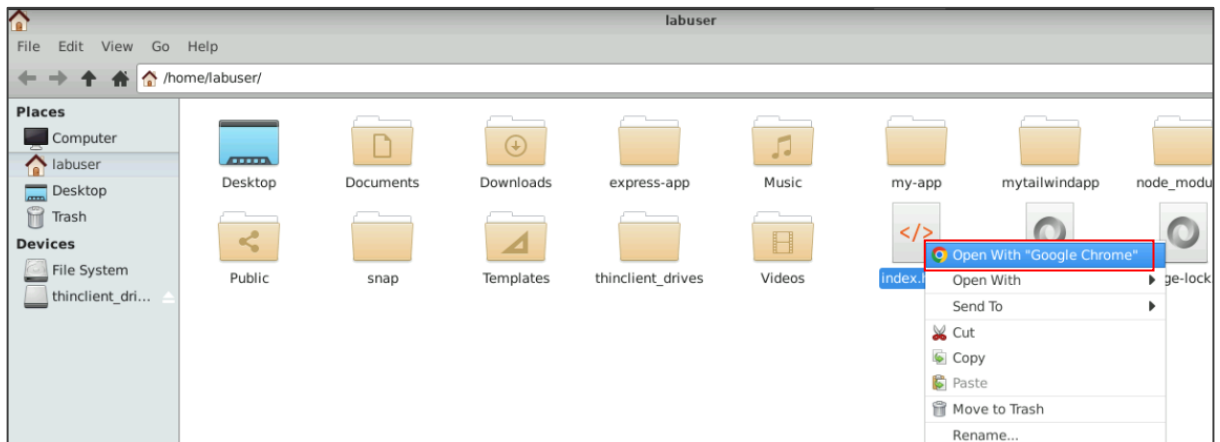
```
<div class="p-2 bg-gray-100 rounded-lg">Column 7</div>
<div class="p-2 bg-gray-100 rounded-lg">Column 8</div>
<div class="p-2 bg-gray-100 rounded-lg">Column 9</div>
<div class="p-2 bg-gray-100 rounded-lg">Column 10</div>
<div class="p-2 bg-gray-100 rounded-lg">Column 11</div>
<div class="p-2 bg-gray-100 rounded-lg">Column 12</div>
</div>
</div>
</body>

</html>
```

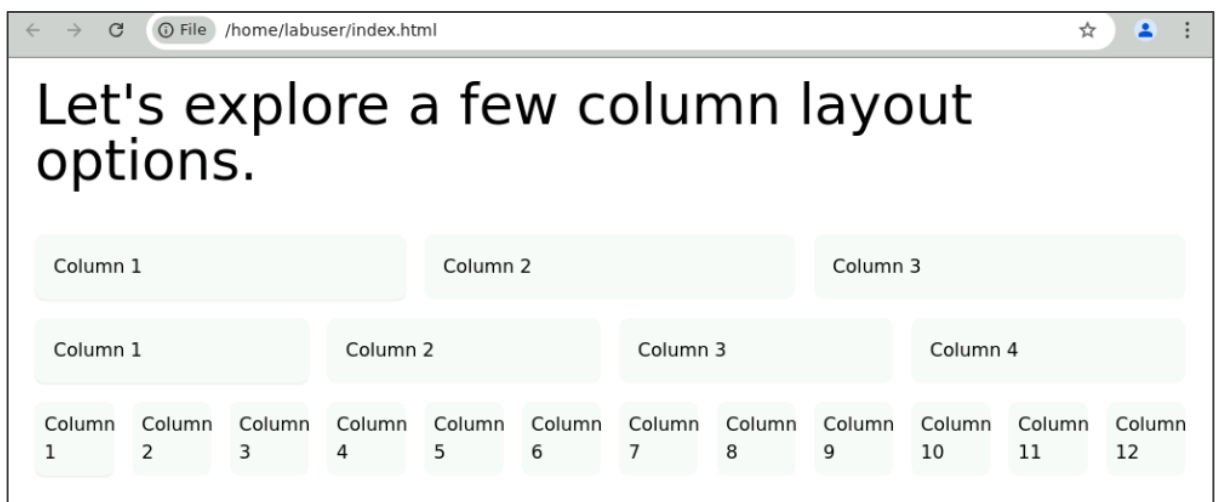


```
Walkthrough: Setup VS Code  index.html
home > labuser > index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Columns Layout</title>
8      <script src="https://unpkg.com/@tailwindcss/browser@4"></script>
9  </head>
10
11 <body>
12     <div class="container mx-auto p-4">
13         <h1 class="text-5xl">Let's explore a few column layout options.</h1>
14
15         <!-- 3-Column Layout -->
16         <div class="columns-3 mt-10">
17             <div class="p-4 bg-gray-100 rounded-lg shadow">Column 1</div>
18             <div class="p-4 bg-gray-100 rounded-lg">Column 2</div>
19             <div class="p-4 bg-gray-100 rounded-lg">Column 3</div>
20         </div>
```

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 correctly reflects the expected column layout



By following these steps, you have successfully demonstrated how to create a multi-column layout using Tailwind CSS. This allows you to efficiently structure content into responsive, flexible column grids.