

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

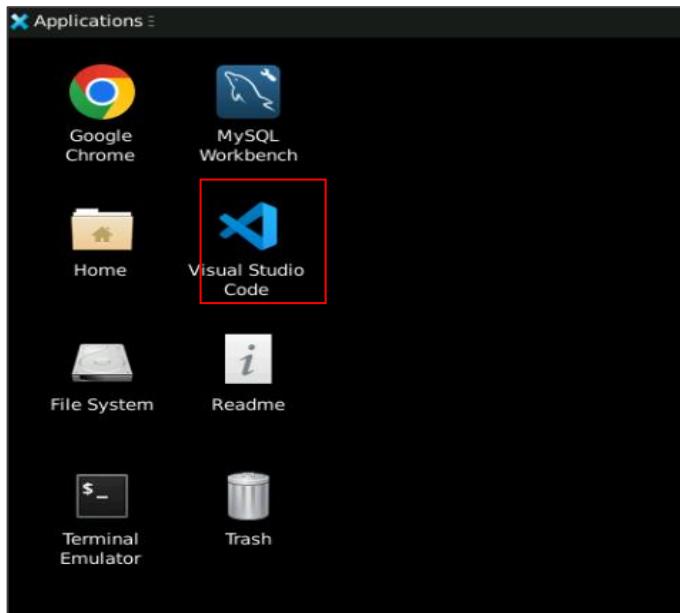
Prerequisites: HTML Basics

Steps to be followed:

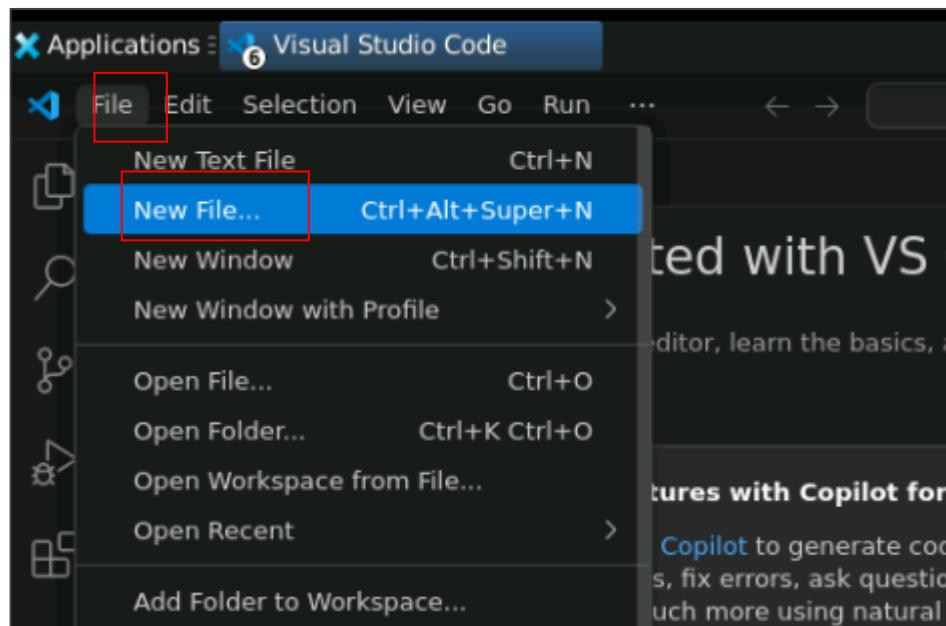
1. Open Visual Studio Code and create index.html
2. Add layout-related code

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

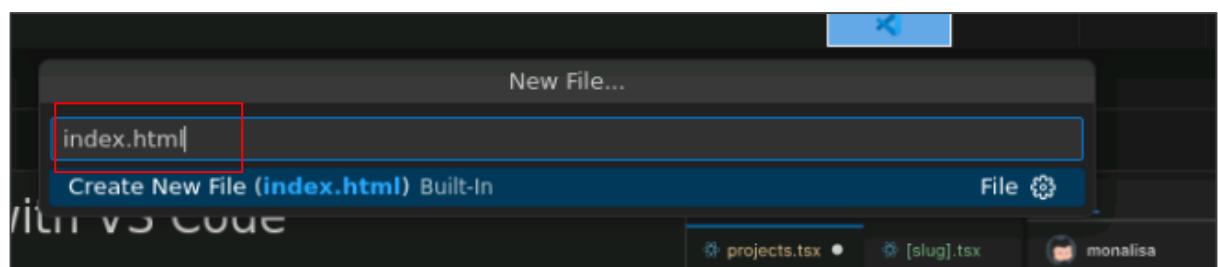
1.1 Open Visual Studio Code



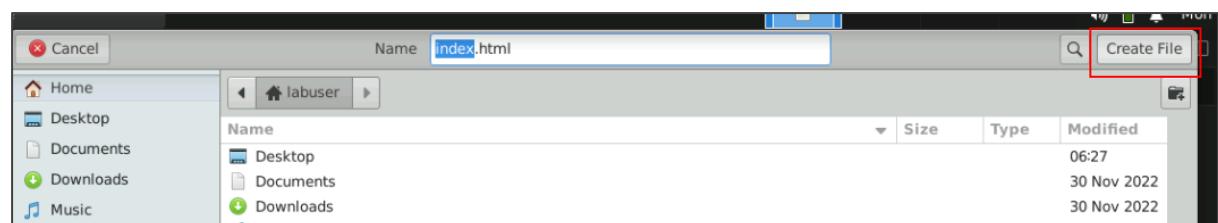
1.2 Click on **File** and then select the **New File...** option



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



1.4 Click on **Create File**

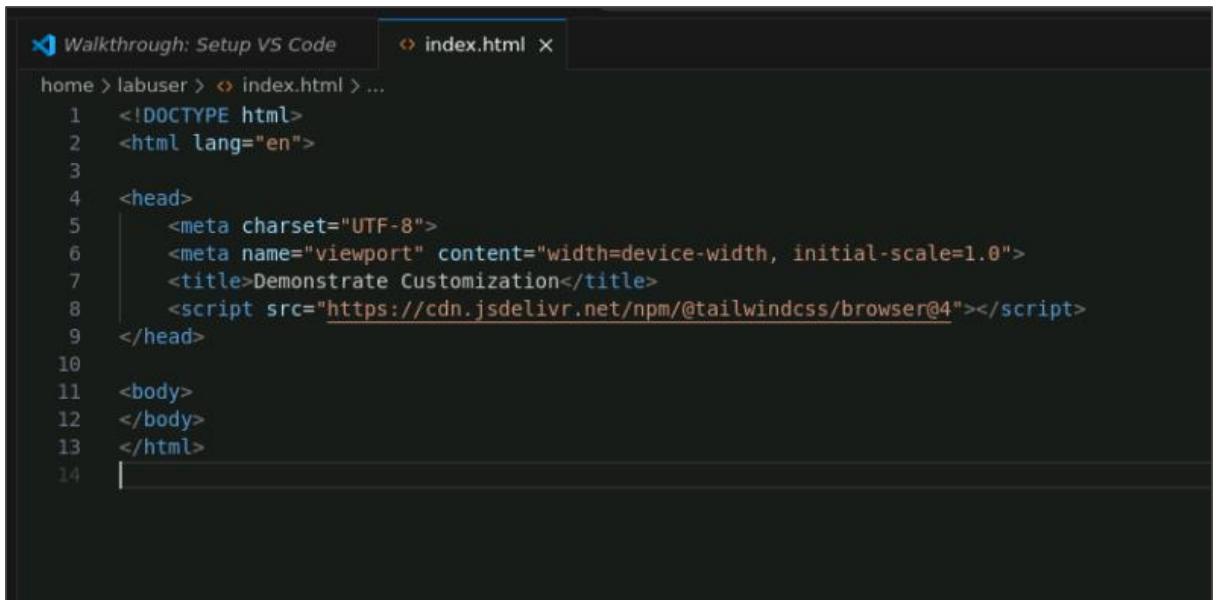


1.5 Add the following code in the index.html file:

```
<!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>
```



The screenshot shows a dark-themed instance of Visual Studio Code. The title bar displays "Walkthrough: Setup VS Code" and the file path "home > labuser > index.html > ...". The main editor area contains the provided HTML code, which is numbered from 1 to 14 on the left. The code includes doctype, html, head, and body sections with meta tags for charset and viewport, a title, and a script tag pointing to Tailwind CSS. The status bar at the bottom is visible.

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>

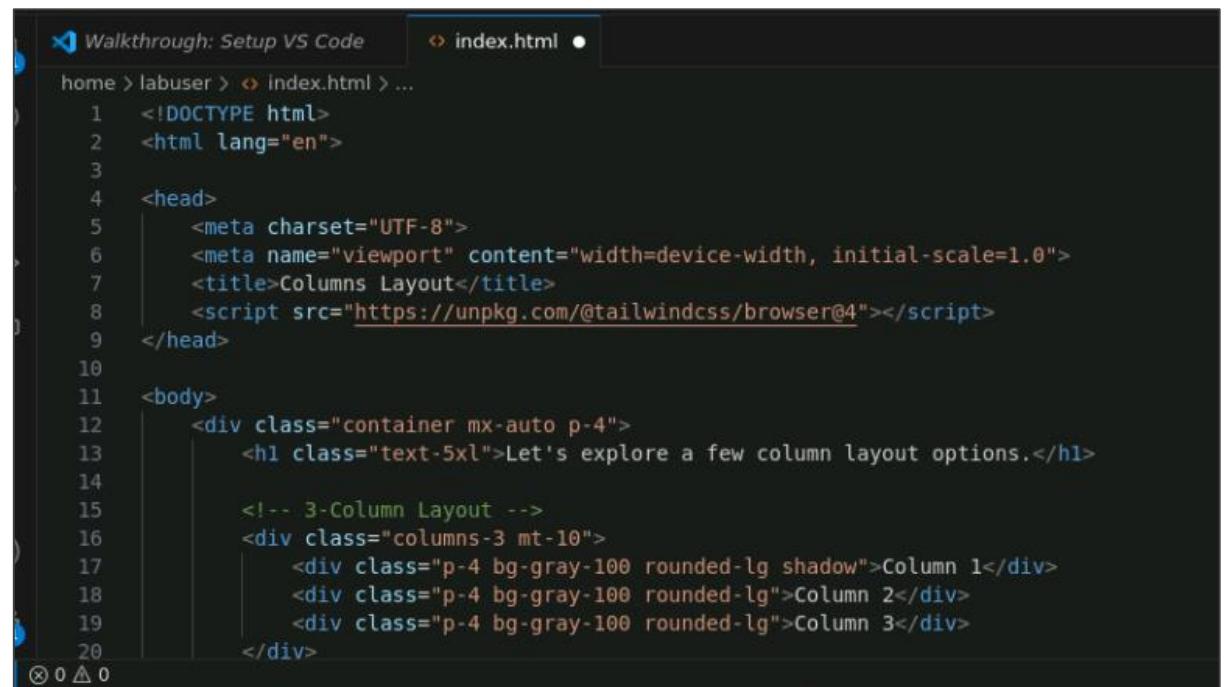
    <!-- 3-Column Layout -->
    <div class="columns-3 mt-10">
      <div class="p-4 bg-gray-100 rounded-lg shadow">Column 1</div>
      <div class="p-4 bg-gray-100 rounded-lg shadow">Column 2</div>
      <div class="p-4 bg-gray-100 rounded-lg shadow">Column 3</div>
    </div>

    <!-- 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 shadow">Column 2</div>
      <div class="p-4 bg-gray-100 rounded-lg shadow">Column 3</div>
      <div class="p-4 bg-gray-100 rounded-lg shadow">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 shadow">Column 2</div>
      <div class="p-2 bg-gray-100 rounded-lg shadow">Column 3</div>
      <div class="p-2 bg-gray-100 rounded-lg shadow">Column 4</div>
      <div class="p-2 bg-gray-100 rounded-lg shadow">Column 5</div>
      <div class="p-2 bg-gray-100 rounded-lg shadow">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>
```

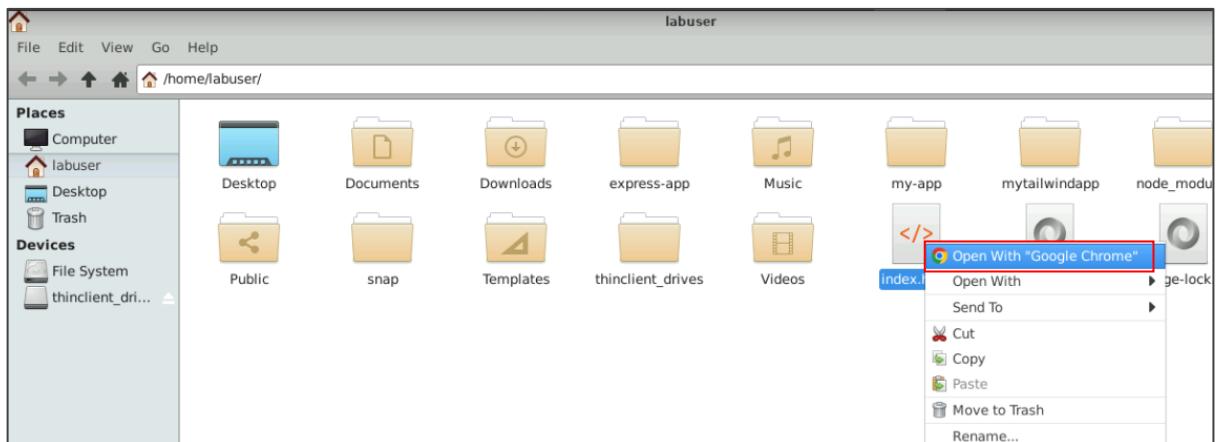


The screenshot shows the VS Code interface with the file 'index.html' open. The code editor displays the HTML structure with syntax highlighting. The file path 'Walkthrough: Setup VS Code / labuser / index.html' is visible in the top left. The code itself includes a DOCTYPE declaration, an HTML element with a lang attribute, a head section with meta charset, viewport, title, and a script tag pointing to TailwindCSS. The body section contains a container with an h1 title and a 3-column layout example.

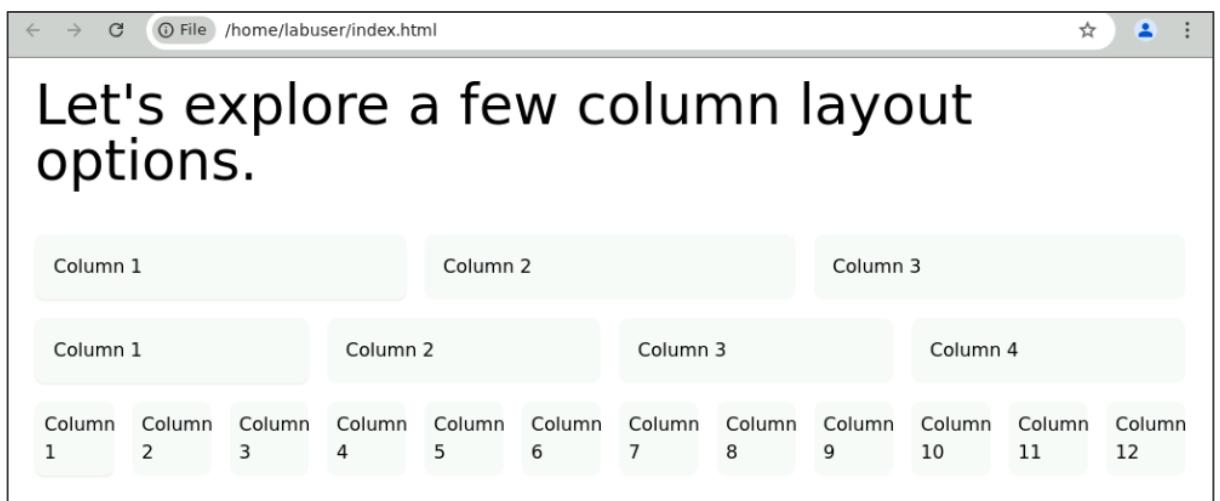
```
Walkthrough: Setup VS Code
labuser / index.html •

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@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 shadow">Column 2</div>
19             <div class="p-4 bg-gray-100 rounded-lg shadow">Column 3</div>
20         </div>
21
22     </div>
23
24 </body>
25
26
```

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.