



Interface Design and Development

Task 2.1: My Calculator

Overview

Div wrappers are a great way of encapsulating the content within a web page. In most cases the nested several levels of div are needed and must be ordered base on importance, find out how to achieve this.

Purpose: Learn how to nest div wrappers in your web page.

Task: Create the layout of a calculator. You only need to design the layout; **the functionality for calculations is not required.**

Resources:

- Lecture notes #2

Example:

mc	m+	m-	mr
AC	√x	%	÷
7	8	9	×
4	5	6	-
1	2	3	+
0	.	+/-	=



Instructions

The div wrapper is used to encapsulate some content. A web page must be designed such that a div represent a module that can be replaced with a different content enabling a consistent look and feel of the website.

Consider, for example, our calculator content. It will have a display, numeric key pad, arithmetic key pad that includes '=', and special memory function for MR, MC, MR+ and MR-. These represent that 4 main groupings of the calculator.

To demonstrate this lets create a webpage that contains the calculator content.

1. Open your **editor** and create a new file. Save it as **calculator.html** in your *Documents/cos30043/lab02* directory.
2. Start the calculator web page using the Bootstrap start code shown below.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Template that uses Bootstrap</title>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <!-- Bootstrap -->
  <link href="framework/css/bootstrap.min.css" rel="stylesheet" />
</head>
<body>
  <div class="container">
    <div class="row"><div class="col-sm-12"><p>A</p></div></div>
    <div class="row">
      <!--Your calculator code here -->
    </div>
    <div class="row"><div class="col-sm-12"><p>C</p></div></div>
  </div>

  <!-- Bootstrap javascript plug-ins -->
  <script src="framework/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

3. Write the HTML code using div tags with appropriate Bootstrap class attribute value to indicate row or column. The content of the innermost div tag will be a paragraph tag containing the calculator key value.