

Practice Exercises

Chapter 5

Exercise 1

- ◆ Add a page layout to the calculator project
 - ◆ Open \Practice Exercises\Chapter 5 Practice Exercises\Exercise1Start\WebCalculatorSolution.sln

The image shows a web browser window displaying a calculator application. The browser's address bar shows the URL `http://localhost:55506/default.html`. The page features the **Contoso Ltd.** logo and tagline *Your success equals our success*. The calculator is a standard numeric keypad with buttons for digits 0-9, **C** (Clear), **CE** (Clear Entry), **+** (Add), and **-** (Subtract). The calculator's display shows `0`. The page also includes a [Home](#) link and an **Advertisements** section. The footer contains the text `Copyright © 2012, Contoso Ltd., All rights reserved`.

Exercise 1

- ◇ Add a page layout to the calculator project
 - ◇ Open default.html
 - ◇ Wrap the `<div id='calculator'></div>` with a `<div>` element
 - ◇ Set the id of the new `<div>` element to container

```
<div id="container">  
  <div id="calculator">  
    ...  
  </div>  
</div>
```

Exercise 1

- ◆ Add a page layout to the calculator project
 - ◆ In the container `<div>` element, insert a `<header>` element
 - ◆ `<header>` element contains an `<hgroup>` element with an id of `headerText`

```
<div id="container">
  <header>
    <hgroup id="headerText">
      <h1>Contoso Ltd.</h1>
      <h2>Your success equals our success</h2>
    </hgroup>
  </header>
  <div id="calculator">
    ...
  </div>
</div>
```

Exercise 1

◇ Add a page layout to the calculator project

◇ After the <header> element insert a <nav> element

```
<div id="container">
  <header>
    ...
  </header>
  <nav>
    <a href="default.html">Home</a>
  </nav>
  <div id="calculator">
    ...
  </div>
</div>
```


Exercise 1

- ◇ Add a page layout to the calculator project
 - ◇ After the `<nav>` element, wrap the calculator `<div>` element with a `<div id='main'>` element

```
<div id="container">
  ...
  <nav>
    <a href="default.html">Home</a>
  </nav>
  <div id="main">
    <div id="calculator">
      ...
    </div>
  </div>
</div>
```

Exercise 1

- ◇ Add a page layout to the calculator project
 - ◇ After the main `<div>` element, insert an `<aside>` element

```
<div id="container">  
  ...  
  <div id="main">  
    <div id="calculator">  
      ...  
    </div>  
  </div>  
  <aside>  
    <p>Advertisements</p>  
  </aside>  
</div>
```

Exercise 1

- ◆ Add a page layout to the calculator project
 - ◆ After the <aside> element insert a <footer> element

```
<div id="container">
```

```
...
```

```
<aside>
```

```
<p>Advertisements</p>
```

```
</aside>
```

```
<footer>
```

```
<p>
```

```
    Copyright © 2012, Contoso Ltd., All  
rights reserved
```

```
</p>
```

```
</footer>
```

```
</div>
```


Exercise 2

- ◆ Add styles to the calculator layout

Exercise 3

- ◇ Clean up the web calculator