

## Exercise 04.01: Add a Style Sheet to the Calculator

In this exercise we will add a cascading style sheet to the **WebCalculator** project from Exercises 03.

1. Make a copy of the **WebCalculator** folder from the previous exercises
2. Add a sub folder named **Content**
3. Add a **Style Sheet** named **default.css** to the **Content** folder
4. Open **default.html** and add the highlighted content below:

```
head>
  <meta charset="utf-8" />
  <title>Web Calculator</title>

  <!-- tell HTML where to find default.css -->
  <link href="Content/default.css" rel="stylesheet" />

  <!-- tell HTML where to find CalculatorLibrary.js -->
  <script type="text/javascript"
    src="Scripts/CalculatorLibrary.js"></script>
</head>
```

5. Open the **default.css** file and set the body background **color** with maximum saturation and half lightening as follows:

```
body {
  background-color: hsl(255,100%,50%);
}
```

6. Add a style rule that formats the text boxes. This style sets the **height**, **width**, **text alignment**, **padding**, and **border** style as follows:

```
input {
  width: 446px;
  height: 35px;
  text-align: right;
  padding: 10px;
  border: inset;
}
```

7. Add a style rule that formats the buttons. This style sets the background **color**, **width**, **height**, and **border** styles as follows:

```
button {
  background-color: hsl(255, 50%, 80%);
  width: 150px;
  height: 50px;
  border: outset;
}
```

8. Add a style rule that sets the format of the buttons when you hover over a button. This style sets the background **color** as follows:

```
button:hover {  
    background-color: hsl(255, 50%, 90%);  
}
```

9. Add a style rule that sets the format of the buttons when a button is clicked. This style sets the background **color** and the border style as follows

```
button:active {  
    border: inset;  
    border-width: thick;  
    border-color: hsl(255, 100%, 100%);  
    background-color: hsl(255, 50%, 50%);  
}
```

10. Add a style rule that provides common formatting for the buttons and text boxes. The selector should be for the **<input>** and the **<button>** elements and should set the **font family**, **font size**, **border width**, **border color**, and **margin**

```
input, button {  
    font-family: Arial;  
    font-size: 24pt;  
    border-width: thick;  
    border-color: hsl(255, 100%, 100%);  
    margin: 5px;  
}
```

11. Add a style to the **txtResult** text box to indicate that this text box is read-only. The style sets the background **color** as follows

```
#txtResult {  
    background-color: hsl(255, 50%, 80%);  
}
```

12. Save all files

13. Run and test **default.html**

14. Correct any errors

Your web page should be similar to the following:

