

CPSC 1045: In Lab Exercise 2 [6 marks]

Complete this exercise individually. Please follow the instructions **carefully** and complete all of the steps. Then demonstrate your exercises are complete before leaving the lab today.

1. Open Brackets/Notepad++. **Type** the following HTML code into the editor:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Exercise 2</title>
  <script src="exercise2.js" type="text/javascript" defer> </script>
</head>
<body>
  <h1>Practicing Prompts and Alerts</h1>
  <p id= "p1"></p>
</body>
</html>
```

2. Save the file in your H drive and name it *exercise2.html*.
3. Create a new file in Brackets/Notepad++. **Save this file in the exact same place you saved exercise2.html in the previous step.** Call this new file *exercise2.js*
4. Inside exercise2.js complete the following steps:
 - a) Write the JavaScript to use the prompt function to read in the user's name. Then use document.getElementById, with innerHTML and the paragraph element with the id "p1" to display the user's name on the HTML page.
 - Save the JavaScript file, then open the HTML file in the browser and test your program works correctly
 - b) Write the JavaScript to read two numbers from the user using the prompt() method. Calculate the sum of each value raised to the third power (i.e. $x^3 + y^3$). Use the alert function to display the resulting sum to the user.
 - Save the JavaScript file, then open the HTML file in the browser and test your program works correctly
 - c) **Bonus:** Write the JavaScript to read two integers from the user. If either number the user enters is ZERO you should display an alert of "You entered 0" to the user. Otherwise, if the first number is evenly divisible by the second number, then you should use the alert function to print "Second divides first"
5. When you have completed the exercises, call over the instructor or the lab assistant and demonstrate. Be prepared to explain how you came up with solutions to these exercises.

Grading

- 1 mark correct HTML linked to JS
- 2 marks A
- 3 marks B
- Bonus 4 marks C