CPSC 1045: In Lab Exercise 2 [10 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 *another 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. Write the necessary HTML and JavaScript to perform the following tasks:
   a) In the exercise2.js file, write the JavaScript to prompt the user to enter their name and store it in a variable. Prompt the user to enter the age they will be in 2017 and store it in a variable. Then use document.getElementById, with innerHTML and display the user's name and birth year in the paragraph on the HTML page.
      - Save the JavaScript file, then open the HTML file in the browser and test your program works correctly
      - Sample Output: If the user enters "Justin Trudeau" and 46 your program should display "Justin Trudeau 1971"
   b) In exercise2.js, write the JavaScript to read two numbers from the user using the prompt() method. Store these two numbers, and then 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
      - Sample Output: If the user enters 3 and then 4, your program should alert "The sum of these numbers cubed is: 91"
5. When you have completed the exercises, call over the instructor or the lab assistant and demonstrate you are finished. Be prepared to explain how you came up with solutions to these exercises.

Grading
- 1 mark correct HTML linked to JS
- 4 marks A
- 5 marks B