Exercise Week 8

Functions and the DOM

Exercise 1

1. Create a web page that has a heading and a button as shown below.

[Change text]

This is JavaScript

When the "change text" button is clicked, the heading should change to text as shown below:

[Change text]

This is DOM manipulation

Exercise 2 - Basic Calculator

1. Create a web page that has 2 input boxes and a button as shown below.

[input box] [input box] [Add]

Your page should allow the user to input 2 numbers and clicking the add button will create an alert with the answer (num1 + num2) using getElementById and a function.

Exercise 3 - Calculator

1. Extend the calculator created in exercise 2 so that it is similar to the page below:

Calculator

Number 1: [   ]

Number 2: [   ]

[Add] [Subtract] [Multiply] [Divide]

ANSWER: 6 divided by 2 = 3

Buttons should add, subtract, divide and multiply accordingly.

Exercise 4 – Calculator with Binary and Hexadecimal

Add 2 extra buttons to the calculator that convert the number in the first box to binary and hexadecimal

Hint:
If you have a variable called num1, you can convert it to binary (base 2) or hexadecimal
(base 16) with the following:

num1.toString(2);
num1.toString(16);