BCVD1006 – Full Stack Development – Lab 8

- JavaScript Conditionals

Developer Note:

- Please create a separate file for each exercise ie. exercise1.html

Exercise 1:

Create an HTML page that has a script tag **<script>** in the head tag.

1. Create two variables for **a** and **b**.

    a. Assign **a** equal to **50**

    b. Assign **b** equal to **100**

2. Create a condition if else statement to test the following

    a. Test that **a** is **greater** than **b**

        i. log to the console that **"a is greater than b"**

    b. Test that **a** is **less** than **b**

        i. log to console that **"a is less than b"**

    c. Otherwise the **default** case

        i. log to console that **"a could be equal to b"**

3. The out in the console will display the following. (To access your console you will need to use your Browser Developer Tools)

```
value of a is 50
value of b is 100
a is less than b
```

Exercise 2:

Create an HTML page that has an **external** javascript file **linked in the <script>** in the head tag.

Create three variables for **a**, **b** and **c**

    a. Assign **a** equal to **-5**

    b. Assign **b** equal to **-2**

    c. Assign **c** equal to **17**

Output all the values of the variables to the console.

Create conditional statements to find the **greatest number**

    d. **Hint:** you will need to use **&&** operators to compare the numbers

The output in the console will display the following:

```
The value of a is -5
The value of b is -2
The value of c is 17
c is the greatest number
```

Exercise 3:

Create an HTML page that has an **external** javascript file **linked in the <script>** in the head tag.
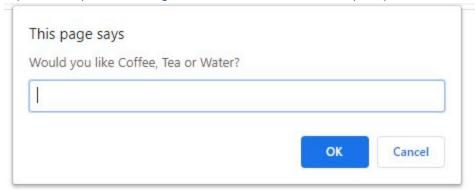
1. Create three variables for **frameWork**
    a. Assign **frameWork** equal to **React**

2.   **Output** all the values of the variable to the console.

3.   Create a switch statement that will output
    a. **"javascript"** if the frame work is **React**
    b. **"typescript"** if the frame work is **Angular**

4. The output in the console will display the following:

```
The framework is react
javascript
```
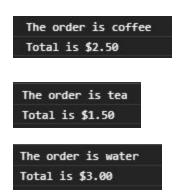
Exercise 4:

Create an HTML page that has an **external** javascript file **linked in the <script>** in the head tag.

1. Using the **window.prompt** ask the user if they would like the following
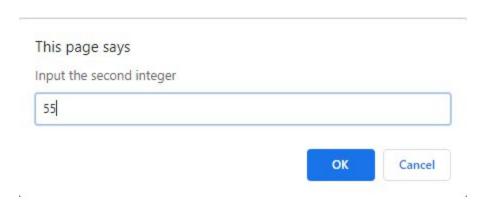   https://developer.mozilla.org/en-US/docs/Web/API/Window/prompt

    This page says

    Would you like Coffee, Tea or Water?

    |

    OK   Cancel

2. Create a variable **orderItem** and assign it to the **result** of the **window.prompt**
3. Create a **switch statement** with the following case:
    a. **coffee** will output **"Total is $2.50"**
    b. **tea** will output **"Total is $1.50"**
    c. **water** will output **"Total is $3.00"**

    ```
    The order is coffee
    Total is $2.50
    ```

    ```
    The order is tea
    Total is $1.50
    ```

    ```
    The order is water
    Total is $3.00
    ```

Challenge

1. Using the windows.prompt() capture 2 inputs from the user for two integers
2. Write logic to compare the 2 integers and determine which one is the greatest or if they are both equal to each other
3. **Output the results in the console window**

This page says

Input the First integer

100|

OK   Cancel

This page says

Input the second integer

55|

OK   Cancel

The console should output the result of the comparison.

The larger of 100 and 55 is 100.