**Week2 - Labsheet**

***Data Types and Logic***

Feel free to do these tasks in VSCode

1. Make 10 variables with data about yourself, such as your name, age, height, favourite game, etc.
2. Using the variables from the last task, output a string to the console so it reads like: My name is Will Hurt, I am 37 years old, 193cm and I cannot stop playing Fifa. You will want to use String Concatenation to achieve this result.
3. What are the results and types of the following expressions. For example, if the question is 1+1 the result will be 2 and the type will be Number.

|  |  |  |
| --- | --- | --- |
| Question | Result | Type |
| 1 + 0 |  |  |
| “1” + 0 |  |  |
| 108.5 |  |  |
| 6/3 |  |  |
| “4” \* “3” |  |  |
| true |  |  |
| ”£” + 100 |  |  |
| “hi” + “ :)” |  |  |
| “10%” + 20 |  |  |
| 7/0 |  |  |

1. Create a variable for each data type we have learnt about and fill it in with data. Use the typeof operator to prove these are of the particular type expected.

E.g*. var number = 10; console.log(typeof number);* we would expect to output Number. Feel free to ignore Arrays... unless you want the challenge!

1. You have been tasked with making a temperature converter. Store a celsius value into a variable, convert it into fahrenheit, then output it into a string that reads: Today’s temperature in fahrenheit is xx degrees. where xx would be the calculated value.
2. Use the Javascript *prompt* command to take in user input and test whether this input is larger than 1000
3. Answer the questions below true or false.

|  |  |
| --- | --- |
| Question | Result |
| 10 < 5 |  |
| 10+5 == 15 |  |
| ”15” == 15 |  |
| ”15” === 15 |  |
| true && false |  |
| ”Howdy” !== ”Hey” |  |
| 5 < 3 || 2 < 3 |  |
| !true === !(10/2 > 3) |  |
| “10%” + 20 |  |
| 7/0 |  |