**JAVASCRIPT NOTES**

**Basics:**

* Case-sensitive language
* Script Tag: Defer and async
* alert(` hello ${x}`)
* Can use both “” and ‘’ for string data type

**Printing statements :**

* Console.log()
* Document.write()
* Document.getElementbyID()

**Comparison and Logical Operators:**

* === compares equal value AND equal data type
* !== not equal value OR not equal type

**Break and Continue :**

* Break : skips and comes out of loop
* Continue : skips further lines of code in the loop and goes to next iteration

**Alert, Confirm, Prompt:**

* Alert() : shows a msg
* Prompt() : shows a message, input text then puts condition.
* Confirm() : displays a message and asks for confirmation of ‘OK’ and ‘cancel’

**Type Conversion :**

* Datatype(variable) but usually not needed, since JS does most type conversions on it’s own.
* Typeof var : displays data type

**String Manipulation :**

* \n – next line
* \t – next tab space
* \ - wont normally show in a string as a character
* \\ - to show one, you put double
* “ \” ” – displays quotes within same quotes if preceded by a backslash
* .length
* Str[3] – displays character in string like an array
* + adds two strings
* String1. Concat(string2)
* .substring(start index, no of characters to stop after)
* .indexOf(‘good’, 10) – gives starting postion of the “good” that comes after position 10.
* .lastIndexOf(‘’)
* .trim() – removes space from start and end
* .trimStart() – only removes before start
* .trimEnd() – removes only after end
* .toUpperCase()
* .toLowerCase()
* .replace(‘good’ , ‘the best’);
* .includes(“ does not exist”) – if exists then true else false

**Arrays**

* **Array can have multiple different data types elements**
* let book = [ “abc”, “def”, “ghi”, 200, true];
* let book = new Array( “abs”, “def”);
* console.log(book[0]);
* console.log(book) – displays no of elements and all elements written

**Operations on Arrays :**

* .length()
* .push() – adds at end
* .pop() – removes from end
* .unshift() – adds at start
* .shift() – removes at start
* .splice( start index, no of elements to remove from start index)
* Book.length = 0 OR book = [] would empty the entire array
* .split( delimiter )
* .join( delimiter)
* Concat two join two or more array elements