

Lesson17

Javascript Basics

String manipulations

- `string.length` - return length
- `String.indexOf('zilla')`
- `String.slice(0,3)`
- `String.toLowerCase()`
- `String.toUpperCase()`
- `String.replace('search', 'replace')`
- `String.charAt(int indexOfCharacter)`

Arrays

Useful array methods

- `myString.split(',')`
- `myArray.join(',')`
- `myArray.indexOf('item')`
- `myArray.slice(index, positions)`
- `Var combinedArray = myArray.concat(second)`

Ternary operator

- This operator is frequently used as a shortcut for the **IF** statement.
- Syntax: **condition** ? **exprIfTrue** : **exprIfFalse**
- Description: a condition followed by a question mark (?), then an expression to execute if the condition is **true** followed by a colon (:), and finally the expression to execute if the condition is **false**

Math functions

- `Math.abs(1)` - calculate the absolute (positive) value of a number. // 1
- `Math.sqrt(4)` - method is used to calculate the square root of a number // 4
- `Math.ceil(3.5)` - rounds a number up to the next highest integer // 3
- `Math.floor(3.5)` - rounds a number down to the next lowest integer // 4
- `Math.round(3.5)` - rounds a number to the nearest integer // 4