JS Notes from Scrimba

Tutorial [here](https://scrimba.com/playlist/p3py7U7)

Example 3:

// Check if the person is elegible for a birthday card from the King! (100)

let age = 145

// if less than 100 -> "Not elegible"

// else if exactly 100 -> "Here is your birthday card from the King!"

// else -> "Not elegible, you have already gotten one"

if (age < 100) {

console.log("Not elegible")

} else if (age === 100) {

console.log("Here is your birthday card from the King!")

} else {

console.log("Not elegible, you have already gotten one")

}

Practice Boolean

console.log(4 === 3) //false

console.log(5 > 2) //true

console.log(12 > 12) //false

console.log(3 < 0) //false

console.log(3 >= 3) //true

console.log(11 <= 11) //true

console.log(3 <= 2) //false

Arrays

// Arrays - ordered lists of items

let featuredPosts = [

"Check out my Netflix clone",

"Here's the code for my project",

"I've just relaunched my portfolio"

]

// Create an array that lists your i.e. experience, education, licenses, skills or similar

// The items of the array should be strings

let experience = ["Frontend developer at Computer Coach", "Student at Computer Coach"]

Practice:

// Arrays - ordered lists of items

// 0 indexed

let featuredPosts = [

"Check out my Netflix clone", // 0

"Here's the code for my project", // 1

"I've just relaunched my portfolio" // 2

]

console.log( featuredPosts[2] )

let experience = ["CEO at Scrimba", "Frontend developer at Xeneta", "People counter for Norstat"]

// Make the following appear in the console:

// Frontend developer at Xeneta

// People counter for Norstat

// CEO at Scrimba

console.log( experience[1] )

console.log( experience[2] )

console.log( experience[0] )

Practice 2:

// Array - ordered list of items - coposite / complex data type

// Create an array that describes yourself. Use the three primitive data types you've learned

// It should contain your name (string), your age (number), and whether you like pizza (boolean)

let judith = ["Judith", 29, true]

Adding and removing items from arrays

Practice 3:

let cards = [7, 4]

cards.push(6)

//console.log(cards)

// Push the newMessage to the messages array, and then log out the array

let messages = [

"Hey, how's it going?",

"I'm great, thank you! How about you?",

"All good. Been working on my portfolio lately."

]

let newMessage = "Same here!"

messages.push(newMessage)

console.log(messages)

// How can you remove the last item in an array?

messages.pop()

console.log(messages)

Counting in JavaScript

// Count to ten!

// We need to specify...

// Where should we START counting?

// Where is the FINISH line?

// What's the STEP SIZE we should use?

// START FINISH STEP SIZE

for ( let count = 1; count < 21; count += 1 ) {

console.log(count)

}

For loops, arrays and DOM

let sentence = ["Hello ", "my ", "name ", "is ", "Judith"]

let greetingEl = document.getElementById("greeting-el")

// Render the sentence in the greetingEl paragraph using a for loop and .textContent

for (let i = 0; i < sentence.length; i++) {

greetingEl.textContent = sentence[i]

}

// How do you keep the spaces between the words if I remve them from the array?

for (let i = 0; i < sentence.length; i++) {

greetingEl.textContent += sentence[i] + " "

}

Return values and functions

let player1Time = 102

let player2Time = 107

// cmd+d - ctrl+d

function getFastestRaceTime() {

if (player1Time < player2Time) {

return player1Time

} else if (player2Time < player1Time) {

return player2Time

} else {

return player1Time

}

}

// let fastestRace = getFastestRaceTime()

// console.log(fastestRace)

// Write a function that returns the total race time

// Call/invoke the function and store the returned value in a new variable

// Finally, log the variable out

function getTotalRaceTime() {

return player1Time + player2Time

}

let totalTime = getTotalRaceTime()

console.log(totalTime)

Objects

// Objects - store data in-depth - composite / complex data type

// key-value pairs

let course = {

title: "Learn CSS Grid for free",

lessons: 16,

creator: "Per Harald Borgen",

length: 63,

level: 2,

isFree: true,

tags: ["html", "css"]

}

//to access for example (the length) you use course.length

console.log( course.length )

Practice:

// Create an object that represents an airbnb castle listing.

// It should contain at least one boolean, one string, one number, and one array

// Log out at least two of the keys using the dot notation

let castle = {

title: "Live like a King",

price: $190/night,

is superHost: true,

reviews: 63,

}

console.log(castle.price)

console.log(castle.isSuperHost)