

JavaScript Revision

This worksheet is intended to jog your JavaScript skills and knowledge. Feel free to complete these challenges on your browser JS console or an online JS interpreter (ex. https://www.w3schools.com/js/js_editor.asp). *If you are brave enough, figure out a way to place the program inside an Ionic-React application (as per the screenshots)!*

If you stumble across these challenges, it's ok – do some research and try again. For further JavaScript revision make sure to visit w3schools.com or else refer to the MCAST notes in your previous units which you have covered already.

Questions

1. Write a simple function **myFun1()** that stores two strings in two separate variables. Output these strings separated by a line break:

Exercise 1 - Strings
<pre>Hello World! This is my string</pre>

2. Rewrite the previous program such that the function **myFun2(string1, string2)** takes two parameters and concatenates them separated by a white space:

Exercise 2 - Fun Para...

first string and second string

3. Write a JavaScript function **myFun3()** to create an array named fruits containing three fruits: "apple", "banana", and "orange". Then, print each fruit in the array using a loop.

Exercise 3 - Loops

apple banana orange

4. Create a JavaScript function named **myFun4(n)** that takes a number n as a parameter and prints all numbers from 1 to n using a loop. Then, call the function with argument 5.

Exercise 4 - Loops

1 2 3 4 5

5. Write a JavaScript code snippet to calculate the sum of all numbers from 1 to 10 using a loop and print the result.

Exercise 5 - Arithmetic

55

6. Create a function **myFun6(arr)** that takes a numerical array 'arr' as input, and returns a new array with the elements reversed. Then, call the function with argument [1, 2, 3, 4, 5] and print the result.

Exercise 6 - Arrays

54321

Bonus questions, for those who dare 😊

7. Write a JavaScript function named **myFun7(arr)** that takes an array of numbers 'arr' as input and returns the maximum number in the array. Then, call the function with the array [10, 5, 20, 8, 15] and print the result.

Exercise 7 - Max Num

20

8. Create a JavaScript function named **myFun8(arr)** that takes a numerical array **arr** as input and returns a new array with duplicate elements removed. Then, call the function with the array `[1, 2, 3, 2, 1, 4, 5, 4]` and print the result.

Exercise 8 - Duplicates

12345

9. Write a JavaScript function named **myFun9(arr)** that takes an array of numbers as input and returns the sum of all even numbers in the array. Then, call the function with the array [1, 2, 3, 4, 5, 6, 7, 8, 9, 10] and print the result.

Exercise 8 - Sum Even

30