

# Laboratory 07 – JavaScript

## Task 01

Create an “index.html” file, a “styles.css” file and a “script.js” JavaScript file. Include the stylesheet and the JavaScript file in the HTML document. Make sure to only load the JavaScript document after the whole HTML page has already loaded.

## Task 02

Write a function called “`sumTo (n)`” that prints to the console the sum of the first “`n`” natural integer numbers, where “`n`” is a function parameter. Test your function for different values of “`n`” (at least three).

Remember that the debugger tools to see the Console can be opened by either from the menu of your browser or by pressing F12 in most browsers and then selecting the Console window.

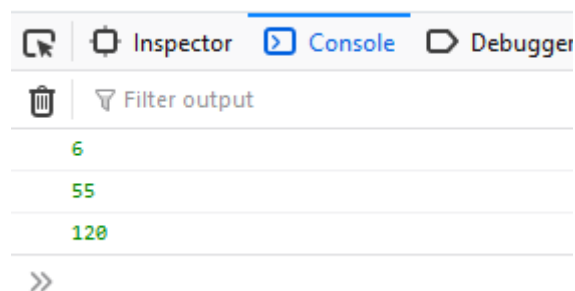


Figure 1. Console output for `sumTo` function test for parameter values: 3, 10, 15

## Task 03

If you haven't done so already, make sure that your function in Task 02 only takes as an argument positive whole numbers, greater than 0. If a parameter is passed that does not meet this requirement, print to the console “Invalid parameter `n`”, where `n` will be replaced by the actual value the function was called with. In this case the function will return “NaN” (not a number).

**Note:** This check should come naturally to any programmer. Always check values you are working with to make sure you are not performing illegal operations! Pay close attention to these checks during your lab test, as your code will be tested for most scenarios that can break it.

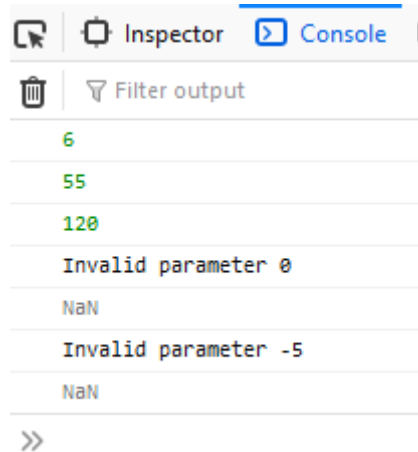


Figure 2. Console output for `sumTo` function test for parameter values: 3, 10, 15, 0, -5

## Task 04

Create an object named “employee” with the following properties:

- `firstName`: “Ion”
- `lastName`: “Popescu”
- `jobTitle`: “engineer”
- `department`: “EA”
- `birthYear`: 1985

Write a script that will display the prompt shown below:

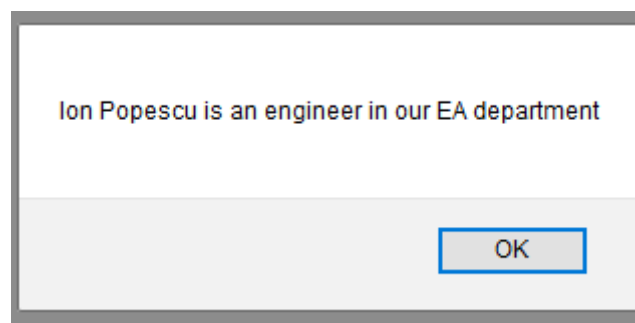


Figure 3. Prompt that needs to be displayed for Task 04

## Task 05

Add a method called “`getFullName()`” to the “employee” object that returns the full name of the employee. Replace the code in the alert to call this method when displaying the name.

## Task 06

In your HTML document create an h1 and two empty paragraphs with IDs “h1”, “p1” and “p2”, respectively. Using JavaScript, populate the two paragraphs with the following text:

- h1: JavaScript Demo
- p1, p2: Lorem ipsum filler text

Finally, upload the HTML, CSS and JS files that resulted from today’s work packed in a ZIP file to the assignment in Teams! Don’t forget to hit the “Hand in” button after you are done!