# IN712 Web 3 Practical – Introduction to JavaScript

Solve each of the following exercises using JavaScript as required. Most of the required concepts have been covered in lecture, but you will need to research some of the implementation details yourself.

1. Write a JavaScript script that calls the alert function to print out the current date in the format dd-mm-yyyy
2. Write a JavaScript function that receive as input parameters a rectangle width and height and returns the area of a rectangle. Use the console.log() function to print out the returned value from the function to the JavaScript console.
3. Create a JavaScript script that calls a non-existent function, for instance zzzzzz() but catches the exception generated and prints an error message to the page. Use the document.write() function to output the error message to the browser window.
4. Write a JavaScript function that requests the user to input and integer number (through the usage of the prompt() function) calculates the factorial of that number using recursion and writes the result to the browsers document using the function document.write(). In mathematics, the factorial of a positive integer n is written as n! and corresponds to the product of all positive integers less or equal than n. For instance, 4! = 4x3x2x1=24.
5. Write a JavaScript function that asks the user for an input string and returns the number of vowels contained in the string. There are many ways of writing this function, the method indexOf of the string class could be helpful.
6. Using only JavaScript, find out the day of the week (Mon, Tue,…) in which you were born
7. Modify the HTML of exercise 6, so if JavaScript is not available in the browser, an informative message is shown to the user