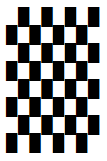
# IN712 Web 3 Practical – Introduction to JavaScript

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 function that receive as input parameters a rectangle width and height and returns the area of a rectangle (area of a rectangle equals width times height). Use the console.log() function to print out the returned value from the function to the JavaScript console. Use the JavaScript console embedded in the browser to call the function repeatedly with different arguments values.
2. Create a JavaScript script that calls a non-existent function, for instance zzzzzz() but catches the exception raised and prints an error message to the page. Use the document.write() function to output the error message to the browser window.
3. D:\Dropbox\Work\Teaching\IN712 - Web Programming 3\difficultyIcon.pngWrite 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.
4. Modify the HTML of exercise 4, so if JavaScript is not available in the browser, an informative message is shown to the user.
5. Write a function min that takes two arguments and returns their minimum. Do not use JavaScript Math.min() function, write your own.
6. D:\Dropbox\Work\Teaching\IN712 - Web Programming 3\difficultyIcon.pngWrite a program that creates a string that represents an 8x8 grid, using HTML break line tags to separate lines. At each position of the grid there is either 3 non-breaking spaces or a “█” character. The result should form a chess board of sorts. Write the resulting string to the browser document. The browser should show something like this:



You might find useful to read about HTML character entities and maybe visiting these resources:

<https://dev.w3.org/html5/html-author/charref>

<http://www.w3schools.com/html/html_entities.asp>