

Web Development Client Side

Lab 04

JavaScript

You need to be present in the lab to get a mark

Objective:

1. Use HTML and JavaScript to solve the given exercises.

File Setup

1. Create a lab04 folder in your WebDevCS folder

File Submission

Zip your files into lab4<studentnumber>.zip and submit to Moodle.

Exercise 1. console.html

Display data to Console

Create a new file called console.html with a Title “Arithmetic and Concatenation” and a Header “Tom and Mary”.

Use a script tag to embed JavaScript in the body of the document.

Create 4 variables – tomLN (value Smith), maryLN (value Jacobs), tomAge (value 30) and maryAge (value 25).

Using the variables above create four statements that will **log to the console** the following:

1. Tom Smith is 30 years old
2. Mary Jacobs is 25 years old
3. Their combined age is 55
4. Their children will have the last name SmithJacobs

Check your work for errors in the developer console.

See console.html in Sample Code

Exercise 2. - If Statement

Create a file called ifstmt.html.

Add a title 'Grade Check'

Prompt the user to enter a student score and use an if statement to display a grade in the console based on the following criteria:

- If the score is 80 or above, the grade is 'A'.
- If the score is between 70 and 79, the grade is 'B+'.
- If the score is between 60 and 69, the grade is 'B'.
- If the score is between 50 and 59, the grade is 'C'.
- If the score is between 40 and 49, the grade is 'D'.
- If the score is below 40, the grade is 'F'.

Exercise 3 – For loop

Ask the user to input two numbers.

Using a for loop calculate the sum of all numbers within the range defined by these two numbers(inclusive).

For example – if the user enters numbers 1 and 10 as the 2 numbers.

Compute the sum of all numbers between 1 and 10 inclusive.

Display the sum in the console.