

# CS421/621 Lab03

## Designing a simple and scientific calculator using *HTML, CSS and JavaScript*

Design a simple calculator using HTML, CSS and JavaScript.

A simple calculator should display four functions:

- a) Addition of two numbers
- b) Subtraction of two numbers
- c) Multiplication of two numbers, and
- d) Division of two numbers

Bonus Points:

Please extend the simple calculator to a scientific calculator the following functions

- a) calculating the square root of a number
- b) calculating sin, cos and tan functions,
- c) calculating power of a number.

(+10 points each)

Design the site and submit them on GitHub along with proper outputs. Also take screenshots for input and output and submit them on GitHub.

### **Important Notes:**

1. This exercise contains bonus points. You are supposed to submit the codes on GitHub within a week. Make sure you submit all necessary files to the GitHub.
2. You can browse the web for looking into different tutorials of HTML, CSS and JavaScript. You can also check YouTube tutorials for this exercise. However, you can't copy the code entirely as per UAB's academic dishonesty policy. You need to come up with your own code.

3. Please make sure you attach or provide references for the codes you have come up with in this lab.
4. Feel free to use any CSS template that you like (again make sure you cite it and make your own contribution)