# JavaScript Calculator

## Aim

The aim of this first project is to create a working calculator using HTML/CSS/Bootstrap/JavaScript.

## Project Content

### Intro to JS

https://www.youtube.com/watch?v=W6NZfCO5SIk

### JS Eval()

https://www.youtube.com/watch?v=m-RpWFtIBhQ

### JS DOM manipulation

https://www.youtube.com/watch?v=y17RuWkWdn8

### JS Event listeners

https://www.youtube.com/watch?v=XF1_MIZ5I6M
https://www.w3schools.com/js/js_events.asp

## Constraints

The application must be built with the following requirements:

1. The application must be built using **HTML/CSS/Bootstrap** and **JavaScript**
2. You must use the Bootstrap **grid** system, as well as bootstrap **buttons**
3. You need to have the following buttons:
   a. Numbers 1-9
   b. Math Operators (/, *, -, +)
   c. Decimal (.)
   d. Clear sum button which will remove sum and start again
   e. Equals(=) button which will calculate the sum
4. On each of the buttons, you will need to attach an **onclick event**
5. You need to create a div with an ID of output, which is where the calculation will be shown using **DOM Manipulation**

6. You will need to create a **global variable** called *sum*, which will have a default value of an empty string
7. You will need the following **functions**:
   a. **addToSum(operator)** which will concatenate(add) the operator to the sum and update the #output
   b. **evaluateSum()** which will run the sum using the **eval()** function and update the #output
   c. **clearSum()** which will remove all content from #output

# Notes

- Due date for the project is **Friday 26th November 2021**
- *Do not copy calculator tutorials*. All the necessary information has been provided, and any plagiarism found will result in **immediate disqualification**
- You will need to submit both **github and netlify** links