

Calculator Challenge

The task

It is time to put what you have been learning to the test here is your first JavaScript based project brief!

A common first project is to build a calculator in your language of choice. Normally this is easy in pure JS but we are web developers, which means we need a UI to go with our logic.

Your challenge is to put everything you've learned in both Module 1 and Module 2 to the test by designing and building your own full functioning calculator using HTML, CSS / SCSS and JavaScript.

The end goal here is to have a site which can accept inputs, do some calculations and give you the outputs. This can take the form of a couple of input boxes, or a fully fleshed out calculator screen, the choice is yours.

This task should take at least 10 hours to complete, but really we'd like you to spend as much time as possible perfecting this!

Let's build!

We're aiming for the following goals for this project:

1. **A working Calculator:** The main task is to create a Calculator not only will this test your understanding of JavaScript but how you break down a problem.
2. **Practice using Git and GitHub flow:** We want you to get as much practice as possible using git, GitHub and the command line.
3. **Apply what you are learning:** This is a great place to apply what you have been learning on all of the course so far. When you get it functioning really push on the UI, use SCSS, BEM, anything else you find on the web....really go mad!

Requirements

- You need to have it as a public repository on GitHub
 - In the repo you will also need a [README.md](#) with a short intro to the project.
 - We expect at least **10 Git commits** for the different stages in your development.
- Accept a minimum of 2 inputs, perform an operation and return the output.
- **DO NOT USE THE** `eval()` function as this is extremely dangerous
- Beware of following a "How to make a calculator in JS tutorial". Watching a video is not the same as learning to code. Some of the stuff you'll have to do we won't have covered so If you can't explain it or don't understand it, you can't use it.
- We would like you to take a Mobile first approach to the implementation. It needs to work on different device widths.

Submission

Once you have completed your calculator, send the GitHub repo to a coach to receive some feedback.