

the Master Course

{C0DENATION}

React Calculator

{ C^UDENATION }



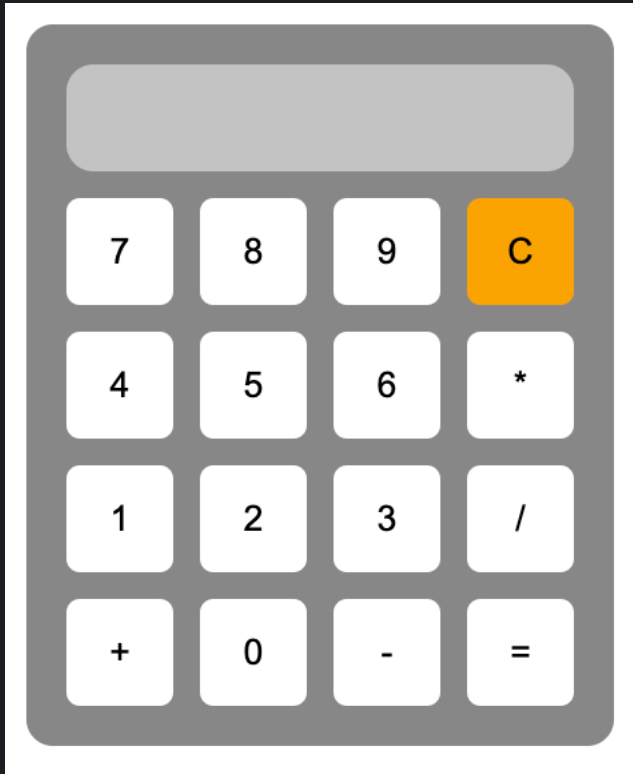
Calculator Criteria

- Hold all the buttons to be displayed in an array and **map through the array of buttons** to generate the buttons
- Display the sum as you click the buttons
- At least be able to add, subtract, multiply, divide
- Have a clear button which clears the current sum
- When the equal button is clicked it **calculates the sum** you have typed and **displays the answer**
- Use the **evaluate method from the Math.js library** (<https://www.npmjs.com/package/mathjs>)

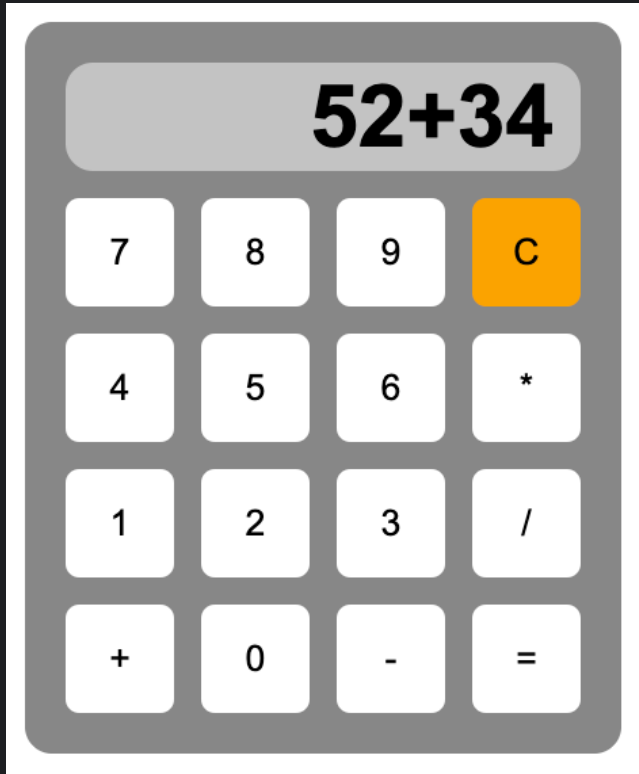


Stretch Goals (Optional)

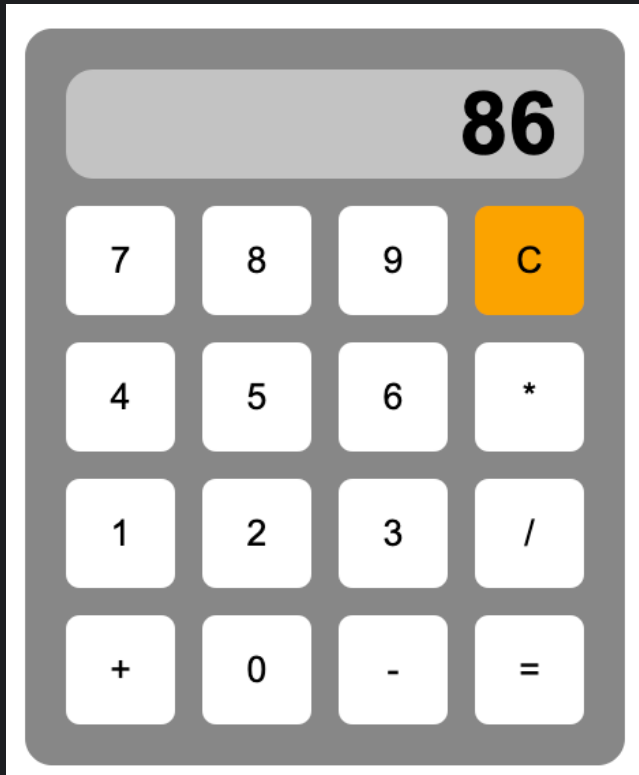
- Add **more math logic** such as: to the power, square root, brackets, an 'ANS' button that uses the previous answer etc.
- **Display the answer on each button click** as well as what the user has typed
- Add **keyboard functionality** so you can type a sum on your keyboard as well as click the buttons



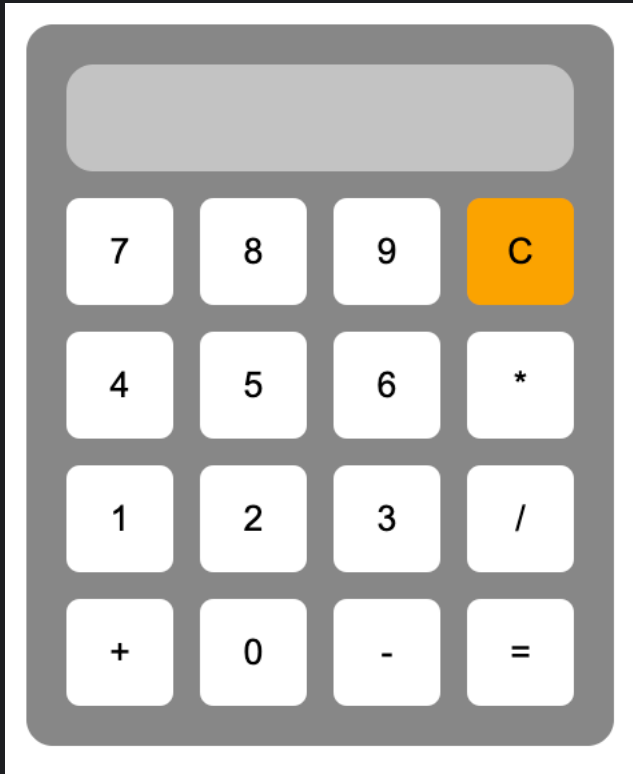
**An example of the calculator
with buttons generated from
an array**



As the buttons are clicked it adds the text of the clicked button to the screen of the calculator



**As the equal button is clicked
it calculates the sum and
shows the answer in the
screen of the calculator**



When the clear button is clicked the screen is reset and you can type a new sum



You can style it how you want, so get creative!