

# Calculator App – Using React Components

## Objective

Build a simple calculator app using React that allows users to input two numbers and perform basic arithmetic operations (addition, subtraction, multiplication, and division). The result of the calculation should be displayed in a `p` element upon clicking the corresponding operation button.

## Project Structure

Participants will create a React application consisting of the following components:

1. **App Component:** The main component that will hold all other components.
2. **Calculator Component:** A component that will contain the input elements, operation buttons, and the result display.

## Requirements

### 1. Input Fields

- Two input fields where users can enter the numbers they want to operate on.
- These fields should accept numeric input only.

### 2. Operation Buttons

- Four buttons corresponding to the basic arithmetic operations: Add, Subtract, Multiply, and Divide.
- Each button should perform the corresponding calculation when clicked and display the result.

### 3. Result Display

- A `p` element that displays the result of the calculation.
- This element should update dynamically when a user clicks any of the operation buttons.

### 4. Hooks

- Use React's `useState` hook and `useRef` to manage the input values and the result.
- Ensure that the state updates correctly and triggers re-renders as needed.

## Final Output

- The application should have a clean user interface where users can:
  - Enter two numbers in the input fields.
  - Click one of the four operation buttons to perform the calculation.

- View the result in the p element below the buttons.
- The result should update dynamically when a new calculation is performed.

The screen should look something like this

Enter a number

Enter a number

+

-

\*

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Result 0