


Build a calculator app

Open Lab 

Instructions



Task

For this assessment, you will be building a calculator in React. You are provided with code snippets, and your task is to use these, plus any of your code to complete a calculator app that can perform the four basic mathematical operations: addition, subtraction, multiplication, and division.







Before you begin

If you execute the `npm start` command before changing any code in this task, you'll get the notification in the code lab's terminal that reads *"webpack compiled successfully"*.

You are now ready to start working on your app. Follow the comments in the code! They are your instructions on what you need to do to make this app work. For example, once you've added the imports, you should be able to serve the app. If still needs work, but at least you'll have the app showing in the browser.

Steps

In this assessment, your goal is to build a simple calculator app.

   nmxtbwpa.labs.coursera.org/serve/   

Simplest Working Calculator

8760

add

subtract

multiply

divide

reset input

reset result

The app should be fully functional. However, since you do not have the App.css file in the root folder, you need to add it, with the following code:

```
1  * {
2    font-family: sans-serif;
3  }
4  input,
5  button {
6    font-size: 20px;
7    padding: 10px;
8    border-radius: 5px;
9  }
10 input {
11   display: block;
12   margin-bottom: 20px;
13 }
14 button {
15   border: 1px solid gray;
16   background: whitesmoke;
17   margin-right: 5px;
18 }
19 button:nth-last-child(2),
20 button:nth-last-child(1) {
21   background: tomato;
22   color: white;
23 }
24
```

You'll also need to import the App.css file into App.js.

Here is the app's starting code:

```
1  import f
```

```

1  import {
2    useState,
3    useRef
4  } from "react";
5  import "./App.css";
6
7  function App() {
8    const inputRef = useRef(null);
9    const resultRef = useRef(null);
10   const [result, setResult] = useState(0);
11
12   function plus(e) {
13     e.preventDefault();
14     setResult((result) => result + Number(inputRef.current.value));
15   };
16
17   function minus(e) {
18     // Add the code for the minus function
19   };
20
21   function times(e) {
22     // Add the code for the plus function
23   };
24
25   function divide(e) {
26     // Add the code for the divide function
27   };
28
29   function resetInput(e) {
30     // Add the code for the resetInput function
31   };
32
33   function resetResult(e) {
34     // Add the code for the resetResult function
35   };
36
37   return (
38     <div className="App">
39       <div>
40         <h1>Simplest Working Calculator</h1>

```

Your goal is to use this starting code and extend it with missing pieces to make the app behave as expected: a fully working simple calculator app.