

Subject code & Name	:	CSE304 & Full Stack Development	Practical	:	5	Academic Year	:	2024-25
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Task - 5

Aim

Create a calculator React app involves several steps, from setting up the React environment to implementing the logic for basic arithmetic operations. Here's a detailed explanation of creating a simple calculator app with addition, subtraction, multiplication, and division capabilities.

Code

Practical_5.js

```
import React, { useState } from 'react';
function Calculator() {
  const [input, setInput] = useState("");
  const [result, setResult] = useState("");

  const handleButtonClick = (value) => {
    if (value === '=') {
      try {
        setResult(eval(input));
      } catch (e) {
        setResult('Error');
      }
    } else if (value === 'DEL') {
      setInput(input.slice(0, -1));
    } else if (value === 'C') {
      setInput("");
      setResult("");
    } else {
      setInput(input + value);
    }
  };

  return (
    <div className="calculator">
      <div className="display">
        <div className="result">{result}</div>
        <div className="input">{input}</div>
      </div>
      <div className="buttons">
        {[ '/', '*', '+', '-', 'DEL', '1', '2', '3', '4', '5', '6', '7', '8', '9', '0', '.', '=', 'C' ].map((button) => (
          <button key={button} onClick={() => handleButtonClick(button)}>
            {button}
          </button>
        ))}
      </div>
    </div>
  );
}
```

```
    </div>
  </div>
);
}

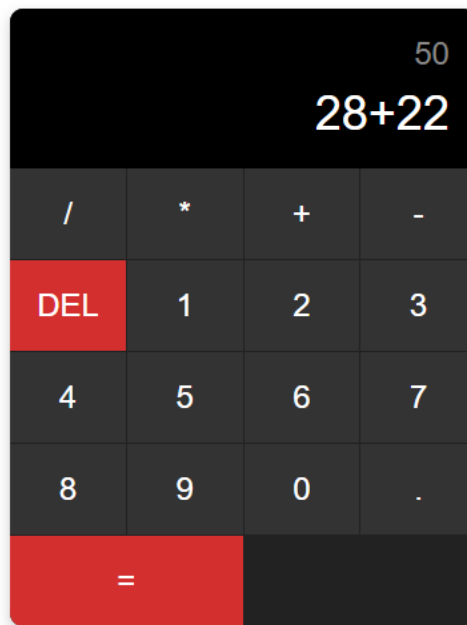
export default Calculator;

App.js
import './App.css';
import Calculator from './components/Practical_5';

function App() {
  return (
    <div className="App">
      <Calculator/>
    </div>
  );
}

export default App;
```

Output



Signature :