**CREATE A CALCULATOR APP IN REACT JS**

**Overview**

Basic calculator app built with React.js. It performs simple arithmetic operations like addition, subtraction, multiplication, and division.

**Features:**

* Basic arithmetic operations
* Clear button
* Real-time display of inputs and results

**File Structure (Basic)**

calculator-app/

├── public/

│ └── index.html

├── src/

│ ├── App.js

│ ├── Calculator.js

│ ├── index.js

│ └── App.css

├── package.json

**Step-by-step Instructions:**

**Create default react project**

* + npx create-react-app calculator-app
  + cd calculator-app

**Install mathjs**

* + npm install mathjs

**Modify App.js**

|  |
| --- |
| // src/App.js  import React from 'react';  import Calculator from './Calculator';  import './App.css';  function App() {  return (  <div className="App">  <Calculator />  </div>  );  }  export default App; |

**Create new file Calculator.js under src directory**

|  |
| --- |
| // src/Calculator.js  import React, { useState } from 'react';  import { evaluate } from 'mathjs'; // ✅ import from mathjs  import './App.css';  const Calculator = () => {  const [input, setInput] = useState('');  const handleClick = (value) => {  if (value === '=') {  try {  const result = evaluate(input); // ✅ safer expression evaluation  setInput(result.toString());  } catch (error) {  setInput('Error');  }  } else if (value === 'C') {  setInput('');  } else {  setInput((prevInput) => prevInput + value);  }  };  const buttons = [  '7', '8', '9', '/',  '4', '5', '6', '\*',  '1', '2', '3', '-',  '0', '.', '=', '+',  'C'  ];  return (  <div className="calculator">  <input type="text" value={input} readOnly className="display" />  <div className="buttons">  {buttons.map((btn, index) => (  <button key={index} onClick={() => handleClick(btn)}>  {btn}  </button>  ))}  </div>  </div>  );  };  export default Calculator; |

**Modify App.css**

|  |
| --- |
| /\* src/App.css \*/  .App {  display: flex;  justify-content: center;  align-items: center;  height: 100vh;  background: #f0f0f0;  }  .calculator {  background: white;  padding: 20px;  border-radius: 10px;  box-shadow: 0 5px 15px rgba(0,0,0,0.3);  width: 300px;  }  .display {  width: 100%;  height: 50px;  font-size: 24px;  margin-bottom: 10px;  padding: 5px;  text-align: right;  }  .buttons {  display: grid;  grid-template-columns: repeat(4, 1fr);  gap: 10px;  }  button {  font-size: 18px;  padding: 15px;  background: #384468;  color: white;  border: none;  border-radius: 5px;  cursor: pointer;  }  button:hover {  background: #0056b3;  } |

**Run the application**

* npm start
* server will start at default port 3000 at localhost
* Bowser will open automatically.

**Screenshot**

A screenshot of a computer

AI-generated content may be incorrect.