```jsx
import React, { useState } from 'react';
import './App.css';

function App() {
  const [input, setInput] = useState('');
  const [output, setOutput] = useState('');

  const handleButtonClick = (value) => {
    if (value === '=') {
      try {
        setOutput(eval(input).toString());
      } catch (error) {
        setOutput('Error');
      }
    } else if (value === 'C') {
      setInput('');
      setOutput('');
    } else {
      setInput(input + value);
    }
  };

  return (
    <div className="calculator">
      <div className="display">
        <input type="text" value={input} readOnly />
        <div className="output">{output}</div>
      </div>
      <div className="buttons">
        <button onClick={() => handleButtonClick('7')}>7</button>
        <button onClick={() => handleButtonClick('8')}>8</button>
        <button onClick={() => handleButtonClick('9')}>9</button>
        <button onClick={() => handleButtonClick('+')}>+</button>
        <button onClick={() => handleButtonClick('4')}>4</button>
        <button onClick={() => handleButtonClick('5')}>5</button>
        <button onClick={() => handleButtonClick('6')}>6</button>
        <button onClick={() => handleButtonClick('-')}>-</button>
        <button onClick={() => handleButtonClick('1')}>1</button>
        <button onClick={() => handleButtonClick('2')}>2</button>
        <button onClick={() => handleButtonClick('3')}>3</button>
        <button onClick={() => handleButtonClick('*')}>*</button>
        <button onClick={() => handleButtonClick('0')}>0</button>
        <button onClick={() => handleButtonClick('.')}>.</button>
        <button onClick={() => handleButtonClick('/')}>/</button>
        <button onClick={() => handleButtonClick('=')}>=</button>
        <button onClick={() => handleButtonClick('C')}>C</button>
      </div>
    </div>
  );
}
```

```
export default App;
And the CSS file (App.css):
.calculator {
  width: 300px;
  margin: 0 auto;
}

.display {
  margin-bottom: 10px;
}

input[type='text'] {
  width: 100%;
  padding: 10px;
  font-size: 20px;
}

.output {
  font-size: 24px;
  text-align: right;
  padding: 5px;
  background-color: #f4f4f4;
}

.buttons {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  gap: 5px;
}

button {
  padding: 10px;
  font-size: 20px;
  background-color: #f4f4f4;
  border: 1px solid #ccc;
  cursor: pointer;
}

button:hover {
  background-color: #ddd;
}
```