Create a simple calculator

Exp. No.: 5

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Code:

App.js:

```
import React, { Component } from "react";

import Button from "./Button";


class Calculator extends Component {
  constructor() {
    super();
    this.state = {
      a: 0,
      b: 0,
      result: 0,
      text: "Result",
    };
  }
  render() {
    return (
      <div
        style={{
          border: "2px solid lightgray",
          borderRadius: "5px",
          width: "fit-content",
```

```jsx
        display: "flex",

        flexDirection: "column",

        justifyContent: "center",

        padding: "1rem",

        margin: "0 auto",

        gap: "0.5rem",

      }}
    >
      <h1>Calculator</h1>

      <h3>A: </h3>

      <input

        name="varA"

        value={this.state.a}

        style={{ color: "black" }}

        onChange={(event) => {

          this.setState({ a: event.target.value });

        }}
      />
      {/* <br /> */}

      <h3>B: </h3>

      <input

        name="varB"

        value={this.state.b}

        style={{ color: "black" }}

        onChange={(event) => {

          this.setState({ b: event.target.value });

        }}
      />
      {/* <br />

      <br /> */}

      <Button
```

```
        title="Add"
        clickHandler={() =>
          this.setState({
            result: new Intl.NumberFormat("en-IN").format(
              +this.state.a + +this.state.b
            ),
            text:
              new Intl.NumberFormat("en-IN").format(+this.state.a) +
              "+" +
              new Intl.NumberFormat("en-IN").format(+this.state.b),
          })
        }
      />
      <Button
        title="Subtract"
        clickHandler={() =>
          this.setState({
            result: new Intl.NumberFormat("en-IN").format(
              +this.state.a - +this.state.b
            ),
            text:
              new Intl.NumberFormat("en-IN").format(+this.state.a) +
              "-" +
              new Intl.NumberFormat("en-IN").format(+this.state.b),
          })
        }
      />
      <Button
        title="Multiply"
        clickHandler={() =>
          this.setState({
```

```jsx
            result: new Intl.NumberFormat("en-IN").format(
              +this.state.a * +this.state.b
            ),
            text:
              new Intl.NumberFormat("en-IN").format(+this.state.a) +
              "*" +
              new Intl.NumberFormat("en-IN").format(+this.state.b),
          })
        }
      />
      <Button
        title="Divide"
        clickHandler={() =>
          this.setState({
            result: new Intl.NumberFormat("en-IN").format(
              +this.state.a / +this.state.b
            ),
            text:
              new Intl.NumberFormat("en-IN").format(+this.state.a) +
              "/" +
              new Intl.NumberFormat("en-IN").format(+this.state.b),
          })
        }
      />
      <br />
      <h2>
        {this.state.text}= {this.state.result}
      </h2>
    </div>
  );
}
```

```
}

export default Calculator;
```

Button.js:

```
export default function Button(props) {
  return (
    <button style={{ color: "black" }} onClick={props.clickHandler}>
      {props.title}
    </button>
  );
}
```

OUTPUT: