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",

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({

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:

