Subject code &	:	CS381 &	Practical	••	4	Academic Year	:	2023-2024
Name		Full Stack Development						

Practical - 5

Aim

Create a calculator React app with addition, subtraction, multiplication, and division capabilities.

Code

GitHub repository: https://github.com/Dhruvpatel004/FSD/tree/main/PR5

App.js

Calculator.js

```
setInput(eval(input).toString());
            } catch (error) {
                setInput('Error');
        } else if (value === 'AC') {
            setInput('0');
        } else {
            if (input === '0') {
                setInput(value);
            else {
                setInput(input + value);
    };
    return (
        <div className="calculator">
            <div className="calculator_output" >{input}</div>
            <div className="calculator keys">
                <button className="calculator_key calculator_key--operator" onClick={()</pre>
=> handleButtonClick('+')}>+</button>
                <button className="calculator_key calculator_key--operator" onClick={()</pre>
=> handleButtonClick('-')}>-</button>
                <button className="calculator_key calculator_key--operator" onClick={()</pre>
=> handleButtonClick('*')}>×</button>
                <button className="calculator_key calculator_key--operator" onClick={()</pre>
=> handleButtonClick('/')}>÷</button>
                <button className="calculator key" onClick={() =>
handleButtonClick('7')}>7</button>
                <button className="calculator__key" onClick={() =>
handleButtonClick('8')}>8</button>
                <button className="calculator key" onClick={() =>
handleButtonClick('9')}>9</button>
                <button className="calculator_key" onClick={() =>
handleButtonClick('4')}>4</button>
                <button className="calculator key" onClick={() =>
handleButtonClick('5')}>5</button>
                <button className="calculator_key" onClick={() =>
handleButtonClick('6')}>6</button>
                <button className="calculator key" onClick={() =>
handleButtonClick('1')}>1</button>
                <button className="calculator key" onClick={() =>
handleButtonClick('2')}>2</button>
```

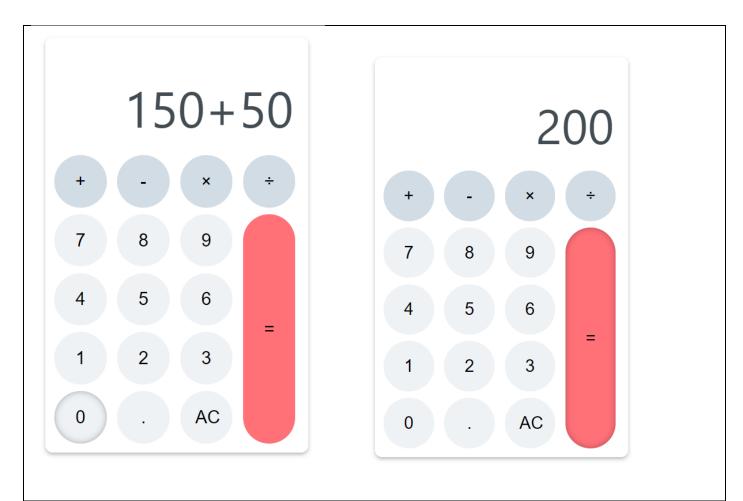
calculator.css

```
.calculator {
   border-radius: 10px;
   box-shadow: 0px 3px 6px 0px rgba(0, 0, 0, 0.15), 0px 2px 4px 0px rgba(0, 0, 0, 0.12);
   margin-inline-start: auto;
   margin-inline-end: auto;
   margin-block-start: 2em;
   max-inline-size: 22rem;
   overflow: hidden;
   color: hsl(202, 11%, 29%);
 .calculator output {
   background: hsl(255, 100%, 100%);
   font-size: 4.2rem;
   padding-block-start: 3rem;
   padding-block-end: 0.5rem;
   padding-inline-end: 1.25rem;
   text-align: end;
 .calculator keys {
   display: grid;
   grid-template-columns: repeat(4, 1fr);
   grid-gap: 1px;
   background: hsl(255, 100%, 100%);
   padding: 0.5rem;
  .calculator key {
```

```
background: hsl(210, 25%, 95%);
  border: none;
 padding-block-start: 1rem;
 padding-block-end: 1rem;
 padding-inline-end: 1.25rem;
 padding-inline-start: 1.25rem;
 font-size: 1.5rem;
 /* Playful Styles */
 inline-size: 70px;
 block-size: 70px;
 margin: 0.25rem;
 border-radius: 40px;
.calculator key:active,
.calculator__key:focus {
 box-shadow: 0 0 8px 0 rgba(0, 0, 0, 0.3) inset;
 outline: none;
.calculator key--operator {
 background: hs1(208, 25%, 86%);
.calculator__key--operator:active {
 background: hsl(208, 24%, 80%);
.calculator__key--enter {
 grid-column: 4 / 5;
 grid-row: 2 / span 4;
 background: hsl(357, 100%, 72%);
 height: auto;
```

Output

GitHub live page: https://dhruvpatel004.github.io/FSD/PR5/



Signature: