1. Program to create a Simple Calculator Application using React JS.

**Aim:** To Create a Simple Calculator Application using React JS.

**Alogrithm:**

**Step1:** Start the process and Set up a React project using npx create-react-app.

**Step2:** In the src folder write the code for index.js

**Step3:** Create the components and write the code for the calculator application.

**Step4:** Write the CSS code for the component and save in .css file

**Step5:** Run the app with the command npm start

**Step6:** Stop the process

import React, { useState } from 'react';

function Calculator() {

const [display, setDisplay] = useState('');

const [result, setResult] = useState('');

const handleClick = (value) => {

if (value === '=') {

try {

setDisplay(eval(display));

} catch (error) {

setResult('Error');

}

} else if (value === 'C') {

setDisplay('');

setResult('');

} else {

setDisplay(display + value);

}

};

return (

<div>

<input type="text" value={display} readOnly />

<div className="calculator-buttons">

<div className="row">

<button onClick={() => handleClick('7')}>7</button>

<button onClick={() => handleClick('8')}>8</button>

<button onClick={() => handleClick('9')}>9</button>

<button onClick={() => handleClick('/')}>/</button>

</div>

<div className="row">

<button onClick={() => handleClick('4')}>4</button>

<button onClick={() => handleClick('5')}>5</button>

<button onClick={() => handleClick('6')}>6</button>

<button onClick={() => handleClick('\*')}>\*</button>

</div>

<div className="row">

<button onClick={() => handleClick('1')}>1</button>

<button onClick={() => handleClick('2')}>2</button>

<button onClick={() => handleClick('3')}>3</button>

<button onClick={() => handleClick('-')}>-</button>

</div>

<div className="row">

<button onClick={() => handleClick('0')}>0</button>

<button onClick={() => handleClick('+')}>+</button>

<button onClick={() => handleClick('=')}>=</button>

<button onClick={() => handleClick('C')}>C</button>

</div>

</div>

{result && <p>Result: {result}</p>}

</div>

);

}

export default Calculator;