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**School of computer application**

CA Third

of

Web Technologies (CAP 757)

**Session 2022-2024**

**Submitted to: Submitted by:**

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**Code of Java Script File**

import React, { useState } from "react";

import "./Calculator.css";

const Calculator = () => {

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

const handleClick = (e) => {

setResult(result.concat(e.target.name));

};

const clear = () => {

setResult("");

};

const backspace = () => {

setResult(result.slice(0, -1));

};

const calculate = () => {

try {

setResult(eval(result).toString());

} catch (error) {

setResult("Error");

}

};

return (

<div className="calculator">

<div className="display">

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

</div>

<div className="buttons">

<button className="operator" onClick={clear}>

C

</button>

<button className="operator" onClick={backspace}>

←

</button>

<button className="operator" name="/" onClick={handleClick}>

÷

</button>

<button name="7" onClick={handleClick}>

7

</button>

<button name="8" onClick={handleClick}>

8

</button>

<button name="9" onClick={handleClick}>

9

</button>

<button className="operator" name="\*" onClick={handleClick}>

×

</button>

<button name="4" onClick={handleClick}>

4

</button>

<button name="5" onClick={handleClick}>

5

</button>

<button name="6" onClick={handleClick}>

6

</button>

<button className="operator" name="-" onClick={handleClick}>

-

</button>

<button name="1" onClick={handleClick}>

1

</button>

<button name="2" onClick={handleClick}>

2

</button>

<button name="3" onClick={handleClick}>

3

</button>

<button className="operator" name="+" onClick={handleClick}>

+

</button>

<button className="zero" name="0" onClick={handleClick}>

0

</button>

<button name="." onClick={handleClick}>

.

</button>

<button className="operator" onClick={calculate}>

=

</button>

</div>

</div>

);

};

export default Calculator;

**Code of CSS File**

.calculator {

width: 300px;

margin: 50px auto;

border: 1px solid #ccc;

box-shadow: 0px 2px 5px #ccc;

border-radius: 5px;

font-family: "Roboto", sans-serif;

}

.display {

background-color: black;

padding: 10px;

text-align: right;

border-radius: 5px 5px 0px 0px;

}

.display input {

font-size: 2em;

width: 100%;

border: none;

outline: none;

}

.buttons {

display: grid;

grid-template-columns: repeat(4, 1fr);

gap: 1px;

border-radius: 0px 0px 5px 5px;

}

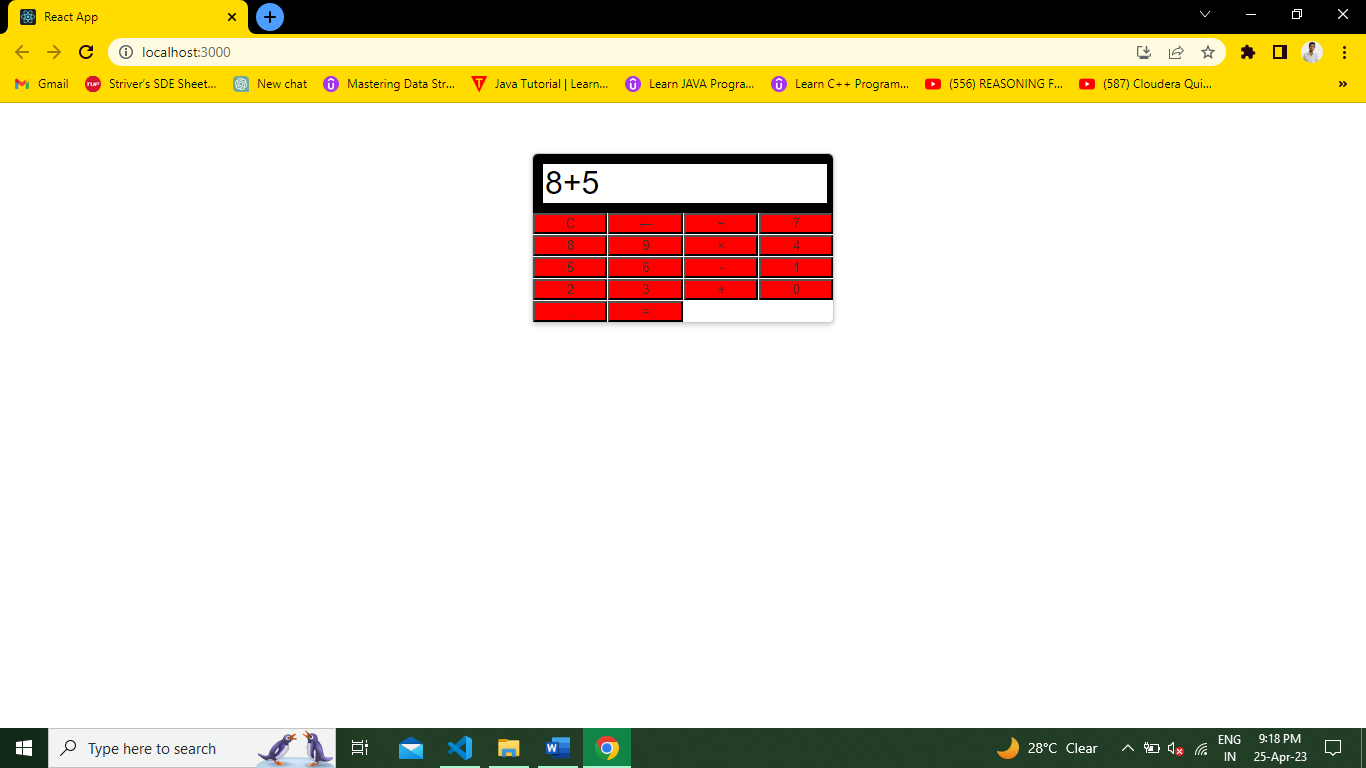
button {

background-color: red;

color: #333;

}

**Screenshot of the Output**

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Graphical user interface, table

Description automatically generated