CODE
index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Assignment 4</title>
    <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono:wght@500&display=swap"
      rel="stylesheet"
    />

    <link rel="stylesheet" href="style.css"/>
  </head>
  <body >
      <h2> CALCULATOR</h2>
    <div class="calculator">

    <div class="display">

     <input type="text" placeholder="0" id="input" disabled />
      </div>
      <div class="buttons">
        <input type="button" value="C" id="clr" />

        <input type="button" value="DEL" id="del" />

        <input type="button" value="/" class="input-button" />

        <input type="button" value="*" class="input-button" />

        <input type="button" value="7" class="input-button" />

        <input type="button" value="8" class="input-button" />

        <input type="button" value="9" class="input-button" />

        <input type="button" value="-" class="input-button" />

        <input type="button" value="6" class="input-button" />

        <input type="button" value="5" class="input-button" />

        <input type="button" value="4" class="input-button" />

        <input type="button" value="+" class="input-button" />

        <input type="button" value="1" class="input-button" />

        <input type="button" value="2" class="input-button" />

        <input type="button" value="3" class="input-button" />
```

```html
        <input type="button" value="=" id="equal" />

        <input type="button" value="0" class="input-button" />

        <input type="button" value="." class="input-button" />
      </div>
    </div>
        <script src="app.js"></script>
  </body>
</html>
```

Style.css

```css
h2 {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    color: rgb(8, 8, 8);
    font-size: x-large;
    font-weight: bold;
    text-align:center;
    text-shadow: 2px 2px #9490ac;
    text-decoration-color: #9490ac;

  }
  body {
    height: 100px;
    background: linear-gradient(
      to right,#439A97 0%,#EAFDFC 50%,#EAFDFC 50%,#439A97 100%
    );
  }

  * {
      padding: 0;
      margin: 0;
      box-sizing: border-box;
      font-family: "Roboto Mono", monospace;
    }
    .calculator {
      width: 400px;
      background-color: #212224;
      padding: 50px 30px;
      position: absolute;
      transform: translate(-50%, -50%);
      top: 50%;
      left: 50%;
      border-radius: 8px;
      border-color: aqua;
      box-shadow: 0 20px 50px rgba(149, 164, 238, 0.4);
    }
    .display {
      width: 100%;
    }
    .display input {
      width: 100%;
      padding: 15px 10px;
```

```css
      text-align: right;
      border: none;
      background-color: transparent;
      color: #ffffff;
      font-size: 35px;
    }
    .display input::placeholder {
      color: #9490ac;
    }
    .buttons {
      display: grid;
      grid-template-columns: repeat(4, 1fr);
      grid-gap: 20px;
      margin-top: 40px;
    }
    .buttons input[type="button"] {
      font-size: 20px;
      padding: 17px;
      border: none;
      background-color: transparent;
      color: #ffffff;
      cursor: pointer;
      border-radius: 5px;
    }
    .buttons input[type="button"]:hover {
      box-shadow: 0 8px 25px #000d2e;
    }
    input[type="button"]#equal {
      grid-row: span 2;
      background-color: #78787a;
    }
    input[type="button"][value="0"] {
      grid-column: span 2;
    }
```

App.js

```js
let equal_pressed = 0;
let button_input = document.querySelectorAll(".input-button");
let input = document.getElementById("input");
let equal = document.getElementById("equal");
let clr = document.getElementById("clr");
let del = document.getElementById("del");

window.onload = () => {
  input.value = "";
};

button_input.forEach((button_class) => {
  button_class.addEventListener("click", () => {
    if (equal_pressed == 1) {
      input.value = "";
      equal_pressed = 0;
    }
```
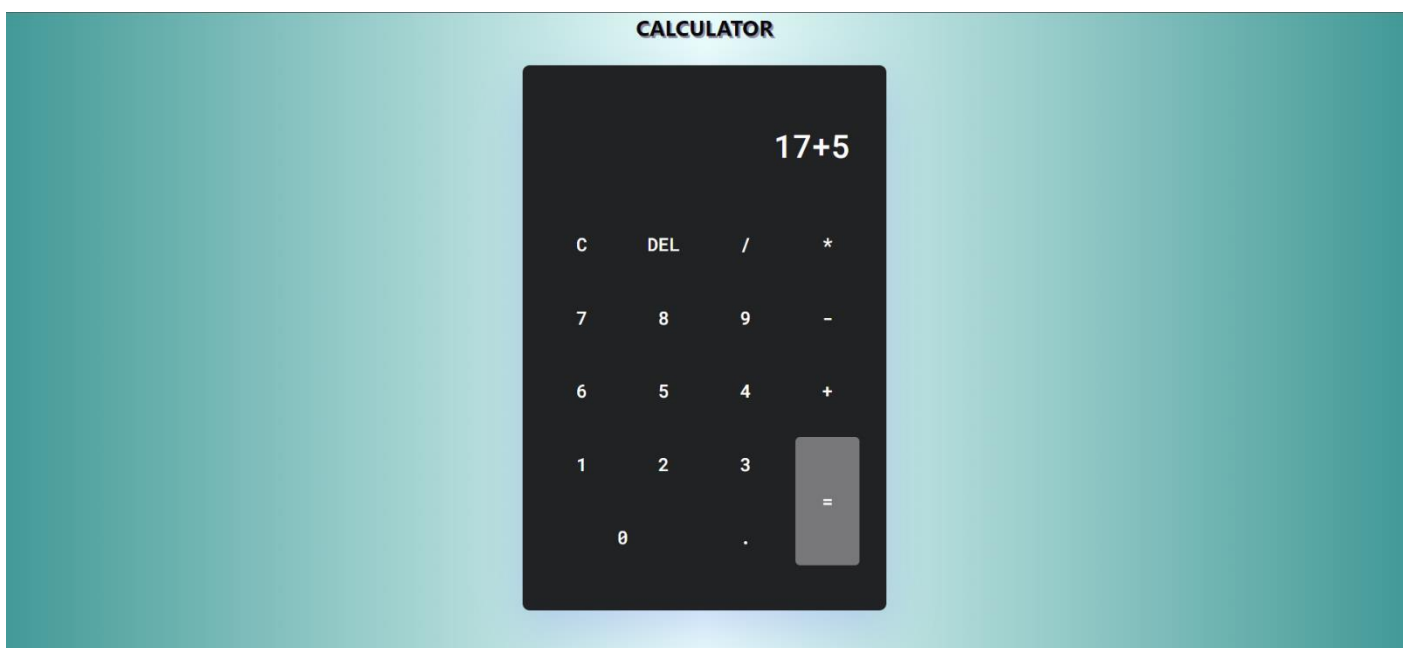
```
      input.value += button_class.value;
   });
});
//operation =
equal.addEventListener("click", () => {
   equal_pressed = 1;
   let inp_val = input.value;
   try {
      //evaluate user's input
      let solution = eval(inp_val);
      //True for natural numbers
      //false for decimals
      if (Number.isInteger(solution)) {
         input.value = solution;
      } else {
         input.value = solution.toFixed(2);
      }
   } catch (err) {
      //If user has entered invalid input
      alert("Invalid Input");
   }
});

//operation clear
clr.addEventListener("click", () => {
   input.value = "";
});

//operation delete
del.addEventListener("click", () =>
 {
   input.value = input.value.substr(0, input.value.length - 1);
});
```

OUTPUT / SCREENSHOTS

CALCULATOR

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C	DEL	/	*
7	8	9	-
6	5	4	+
1	2	3	=
	0	.	