Date : 9/1/2024

**Assignment: make one simple calculator(+,-,\*,/,=) using html,css,js and add styling part also.**

Answer:

Index.html File

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta http-equiv="X-UA-Compatible" content="IE=edge" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <link rel="stylesheet" href="style.css" />

  <title>Calculator</title>

</head>

<body>

  <div class="container">

    <div class="calculator">

      <input type="text" id="inputBox" placeholder="0" />

      <div>

        <button class="button operator">AC</button>

        <button class="button operator">DEL</button>

        <button class="button operator">%</button>

        <button class="button operator">/</button>

      </div>

      <div>

        <button class="button">7</button>

        <button class="button">8</button>

        <button class="button">9</button>

        <button class="button operator">\*</button>

      </div>

      <div>

        <button class="button">4</button>

        <button class="button">5</button>

        <button class="button">6</button>

        <button class="button operator">-</button>

      </div>

      <div>

        <button class="button">1</button>

        <button class="button">2</button>

        <button class="button">3</button>

        <button class="button operator">+</button>

      </div>

      <div>

        <button class="button">00</button>

        <button class="button">0</button>

        <button class="button">.</button>

        <button class="button equalBtn">=</button>

      </div>

    </div>

  </div>

  <script src="script.js"></script>

</body>

</html>

style.css File

@import url("https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap");

\* {

*margin*: 0;

*padding*: 0;

*box-sizing*: border-box;

*font-family*: "Poppins", sans-serif;

}

body {

*width*: 100%;

*height*: 100vh;

*display*: flex;

*justify-content*: center;

*align-items*: center;

*background*: linear-gradient(45deg, #0a0a0a, #3a4452);

}

.calculator {

*border*: 1px solid #717377;

*padding*: 20px;

*border-radius*: 16px;

*background*: transparent;

*box-shadow*: 0px 3px 15px rgba(113, 115, 119, 0.5);

}

input {

*width*: 320px;

*border*: none;

*padding*: 24px;

*margin*: 10px;

*background*: transparent;

*box-shadow*: 0px 3px 15px rgbs(84, 84, 84, 0.1);

*font-size*: 40px;

*text-align*: right;

*cursor*: pointer;

*color*: #ffffff;

}

input::placeholder {

*color*: #ffffff;

}

button {

*border*: none;

*width*: 60px;

*height*: 60px;

*margin*: 10px;

*border-radius*: 50%;

*background*: transparent;

*color*: #ffffff;

*font-size*: 20px;

*box-shadow*: -8px -8px 15px rgba(255, 255, 255, 0.1);

*cursor*: pointer;

}

.equalBtn {

*background-color*: #fb7c14;

}

.operator {

*color*: #ffffff;

*background-color*: #fb7c14;

}

Script.js File

*let* input = document.getElementById("inputBox");

*let* buttons = document.querySelectorAll("button");

*let* string = "";

*let* arr = *Array*.from(buttons);

arr.forEach((*button*) *=>* {

*button*.addEventListener("click", (*e*) *=>* {

    if (*e*.target.innerHTML == "=") {

      string = eval(string);

      input.value = string;

    } else if (*e*.target.innerHTML == "AC") {

      string = "";

      input.value = string;

    } else if (*e*.target.innerHTML == "DEL") {

      string = string.substring(0, string.length - 1);

      input.value = string;

    } else {

      string += *e*.target.innerHTML;

      input.value = string;

    }

  });

});

Output:

