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**TUGAS INDIVIDU 2 DESAIN WEB**

**HTML:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

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

    <title>Document</title>

</head>

<body>

    <div class="container">

        <input type="text" class="display">

        <div class="buttons">

            <button class="operator" data-value="AC">AC</button>

            <button class="operator" data-value="DEL">DEL</button>

            <button class="operator" data-value="%">%</button>

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

            <button data-value="7">7</button>

            <button data-value="8">8</button>

            <button data-value="9">9</button>

            <button class="operator" data-value="\*">\*</button>

            <button data-value="4">4</button>

            <button data-value="5">5</button>

            <button data-value="6">6</button>

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

            <button data-value="1">1</button>

            <button data-value="2">2</button>

            <button data-value="3">3</button>

            <button class="operator" data-value="+">+</button>

            <button data-value="0">0</button>

            <button data-value="00">00</button>

            <button class="operator" data-value=".">.</button>

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

        </div>

    </div>

    <script src="script.js"></script>

</body>

</html>

**CSS:**

@import url('https://fonts.googleapis.com/css2?family=Alkatra:wght@400;500;700&family=Poppins:wght@200&display=swap');

\*{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: "Poppins";

}

body {

    height: 100vh;

    display: flex;

    align-items: center;

    justify-content: center;

    background: #333;

}

.container{

    position: relative;

    max-width: 300px;

    width: 100%;

    border-radius: 12px;

    padding: 10px 20px 20px;

    background: #ffff;

    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.5);

}

.display{

    height: 80px;

    width: 100%;

    margin-bottom: 10px;

    font-size: 25px;

    text-align: right ;

    outline: none;

    border: none;

    color: #000e1a;

    pointer-events: none;

}

.buttons{

    display: grid;

    grid-gap: 10px;

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

}

.buttons button {

    padding: 10px;

    border-radius: 6px;

    -webkit-border-radius: 6px;

    -moz-border-radius: 6px;

    -ms-border-radius: 6px;

    -o-border-radius: 6px;

    border: none;

    font-size: 20px;

    cursor: pointer;

    background-color: #eee;

    box-shadow: none;

}

.buttons button:active{

    transform: scale(0.99);

    -webkit-transform: scale(0.99);

    -moz-transform: scale(0.99);

    -ms-transform: scale(0.99);

    -o-transform: scale(0.99);

}

.operator,

.button[data-value="AC"],

.button[data-value="DEL"] {

    background-color: #444;

    color: #000;

}

**JS:**

const display = document.querySelector(".display");

const buttons = document.querySelectorAll("button");

let output = "";

const calculate = (btnValue) => {

  if (btnValue === "=") {

    try {

      output = eval(output);

    } catch (error) {

      output = "Error";

    }

  } else if (btnValue === "AC") {

    output = "";

  } else if (btnValue === "DEL") {

    output = output.slice(0, -1);

  } else {

    output += btnValue;

  }

  display.value = output;

};

buttons.forEach((button) => {

  button.addEventListener("click", (e) => calculate(e.target.dataset.value));

});

document.addEventListener("keydown", (e) => {

  const keyPressed = e.key;

  calculate(keyPressed);

});