**UJIAN PRAKTEK RPL**

**NAMA : NARPATI ADIKORO**

**NO : 15**

**KELAS : XII RPL 2**

1. **HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Calculator</title>

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

</head>

<body>

    <div class="Calculator">

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

        <div class="button">

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

        </div>

    </div>

    <script src="app.js"></script>

</body>

</html>

**2. CSS**

.body {

    margin: 10px;

    color: rgb(0, 0, 0);

    background-color: rgb(230, 214, 214);

}

.Calculator {

    height: 340px;

    width: 250px;

    border: none;

    border-radius: 20px;

    padding: 10px;

    background-color: rgb(35, 36, 36);

    margin: auto;

}

.button{

    background-color: rgb(48, 48, 48);

    border: none;

    border-radius: 20px;

    height: 250px;

    width: 230px;

    display: grid;

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

    padding: 10px;

}

button{

    color: rgb(199, 114, 17);

    background-color: rgb(64, 64, 64);

    border: none;

    border-radius: 12px;

    padding: 5px;

    margin: 5px;

    font-size: medium;

}

.operator{

    color: rgb(199, 114, 17);

    background-color: rgb(64, 64, 64);

    border: none;

    border-radius: 12px;

    padding: 5px;

    margin: 5px;

    font-size: medium;

}

.display {

    color: rgb(0, 0, 0);

    background-color: rgb(206, 206, 206);

    border: none;

    border-radius: 10px;

    text-align: end;

    height: 50px;

    width: 99%;

    margin-bottom: 10px;

    font-size: larger;

}

**3. JAVASCRIPT**

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

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

const archon=["-","+",'='];

let output="";

const hitung=(btn)=>{

    display.focus();

    if (btn ==="=" && output!=="="){

        output=eval(output.replace("%","/100").replace("MOD","%").replace("X","\*").replace(":","/"));

    }else if (btn ==="AC"){

        output="";

    }else if (btn ==="DEL"){

        output=output.toString().slice(0,-1);

    }else {

        if (output ===""&&archon.includes(btn))return;

        output+=btn;

    }

    display.value=output;

}

button.forEach((a)=>{

    a.addEventListener("click", (e)=> hitung(e.target.dataset.value));

})

**4. HASIL**

