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BSIT BA 3101

Skill Based Assessment

Output:

Code:

Index.html

```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">
    <script src="main.js"></script>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;600&display=swap" rel="stylesheet">
    <script src="https://cdn.jsdelivr.net/npm/sweetalert2@11"></script>
    <title>Skill Based Assessment</title>
</head>

<body>
    <h1>Mathematical Operation</h1>
    <p>Getting the sum of the difference of first 3 fields and the quotient of the next 3 fields.</p>
    <div class="container">
        <input type="text" id="num1" name="num1" class="num" placeholder="Enter 1st number" />
```
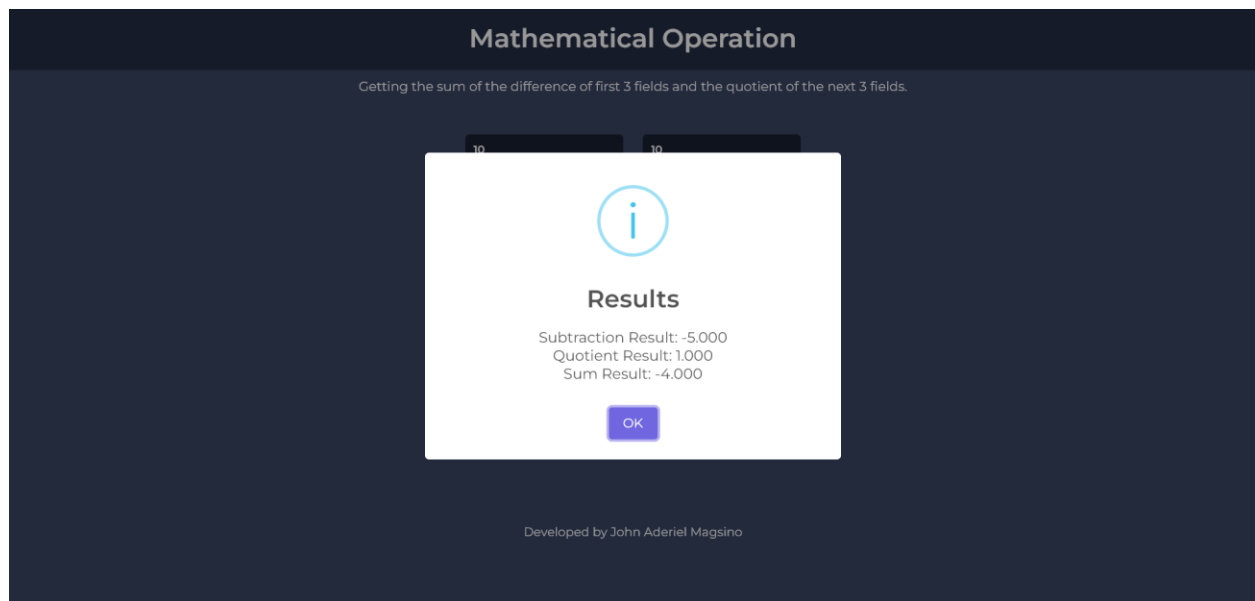
```html
        <input type="text" id="num2" name="num2" class="num" placeholder="Enter
2nd number" />
        <input type="text" id="num3" name="num3" class="num" placeholder="Enter
3rd number" />
        <input type="text" id="num4" name="num4" class="num" placeholder="Enter
4th number" />
        <input type="text" id="num5" name="num5" class="num" placeholder="Enter
5th number" />
        <input type="text" id="num6" name="num6" class="num" placeholder="Enter
6th number" />
    </div>

    <div class ="buttons">
        <button class="calculator-button" onclick="appendNumber('9')">9</button>
        <button class="calculator-button" onclick="appendNumber('8')">8</button>
        <button class="calculator-button" onclick="appendNumber('7')">7</button>
        <button class="calculator-button" onclick="appendNumber('6')">6</button>
        <button class="calculator-button" onclick="appendNumber('5')">5</button>
        <button class="calculator-button" onclick="appendNumber('4')">4</button>
        <button class="calculator-button" onclick="appendNumber('3')">3</button>
        <button class="calculator-button" onclick="appendNumber('2')">2</button>
        <button class="calculator-button" onclick="appendNumber('1')">1</button>
        <button class="calculator-button" onclick="appendNumber('0')">0</button>
        <button class="reset-button" onclick="clearDisplay()">RESET</button>
        <button class="equal-button" onclick="calculate()">=</button>
    </div>

    <footer>
        Developed by John Aderiel Magsino
    </footer>

    </body>

</html>
```

Style.css

```css
* {
    font-family: 'Montserrat', sans-serif;
    box-sizing: border-box;
    margin: 0;
}

body {
    background-color: #3b4664;
    margin: 0;
}

h1 {
    text-align: center;
    color: #fff;
    margin-bottom: 10px;
    background-color:#252d44;
    padding:20px;
}

p{
    text-align: center;
    color: #fff;
    margin-bottom: 20px;
}

.container {
    padding: 20px;
    max-width: 600px;
    margin: 0 auto;
    text-align: center;
}

.input-row {
    display: flex;
    margin: 10px 0;
    justify-content: center;
}

.num {
    margin: 10px;
    background-color: #181f32;
    border: none;
    padding: 10px;
```

```css
    border-radius: 5px;
    color: #fff;
    font-weight: 800;
}

.buttons {
    text-align: center;
    width: 100%;
    max-width: 415px;
    margin: 0 auto;
    background-color: #252d44;
    border: none;
    padding: 10px;
    border-radius: 5px;
    cursor: pointer;
    outline: none;
}

.calculator-button,
.reset-button,
.equal-button {
    font-weight: bold;
    width: 80px;
    height: 50px;
    font-size: 25px;
    margin: 5px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    outline: none;
}

.calculator-button {
    background-color: #eae3db;
}
.calculator-button:hover{
    background-color: #fffbf7;
}
.reset-button {
    background-color: #647299;
    color: #eae3db;
    font-size: 20px;
}

.equal-button {
```

```css
        background-color: #d13f30;
        color: #eae3db;
}
footer{
        text-align: center;
        margin-top: 100px;
        color: #fff;
        font-size: 15px;
}
```

Main.js

```javascript
function appendNumber(number) {
    const selectedInput = document.querySelector('.num:focus');
    if (selectedInput) {
        selectedInput.value += number;
    }
}

function calculate() {
    var num1 = parseFloat(document.getElementById('num1').value);
    var num2 = parseFloat(document.getElementById('num2').value);
    var num3 = parseFloat(document.getElementById('num3').value);
    var num4 = parseFloat(document.getElementById('num4').value);
    var num5 = parseFloat(document.getElementById('num5').value);
    var num6 = parseFloat(document.getElementById('num6').value);

    if (isNaN(num1) || isNaN(num2) || isNaN(num3) || isNaN(num4) || isNaN(num5)
|| isNaN(num6)) {
        Swal.fire({
            title: 'Error',
            text: 'Please fill in all input fields with valid numbers.',
            icon: 'error',
        });
        return;
    }

    var subtractionResult = num1 - num2 - num3;
    var quotientResult = num4 / num5 / num6;
    var sumResult = subtractionResult + quotientResult;

    Swal.fire({
```

```javascript
        title: 'Results',
        html: `Subtraction Result: ${subtractionResult.toFixed(3)}<br>Quotient
Result: ${quotientResult.toFixed(3)}<br>Sum Result: ${sumResult.toFixed(3)}`,
        icon: 'info',
    });
}

function clearDisplay() {
    document.querySelectorAll('.num').forEach(function (input) {
        input.value = '';
    });
}

document.addEventListener('keyup', function (event) {
    if (event.key === 'Enter') {
        calculate();
    }
});
```