JENNIFER PATRICIA ZALDANA BELTRAN

ZB212784

EJERCICIO 1


```html
<!DOCTYPE html>
<html>
<head>
    <title>Calculadora de Potencia</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
    <div class="container mt-5">
        <h1 class="mb-4">Calculadora de Potencia</h1>
        <form id="powerForm">
            <div class="form-group">
                <label for="baseInput">Base:</label>
                <input type="number" class="form-control" id="baseInput" required>
            </div>
            <div class="form-group">
                <label for="exponentInput">Potencia:</label>
                <input type="number" class="form-control" id="exponentInput" required>
            </div>
            <button type="submit" class="btn btn-primary">Calcular Potencia</button>
        </form>
        <div class="mt-4">
            <p>Resultado:</p>
            <p id="result"></p>
        </div>
    </div>

    <script src="Potencia.js"></script>
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@1.16.1/dist/umd/popper.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</body>
</html>
```
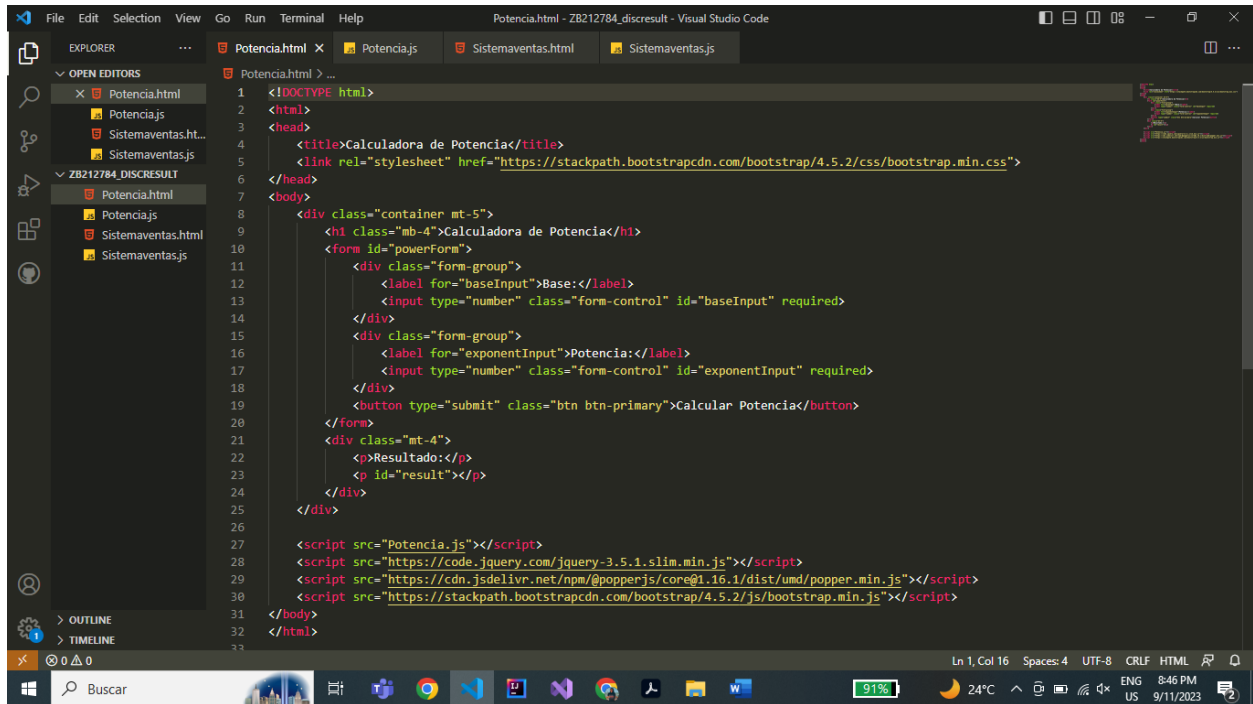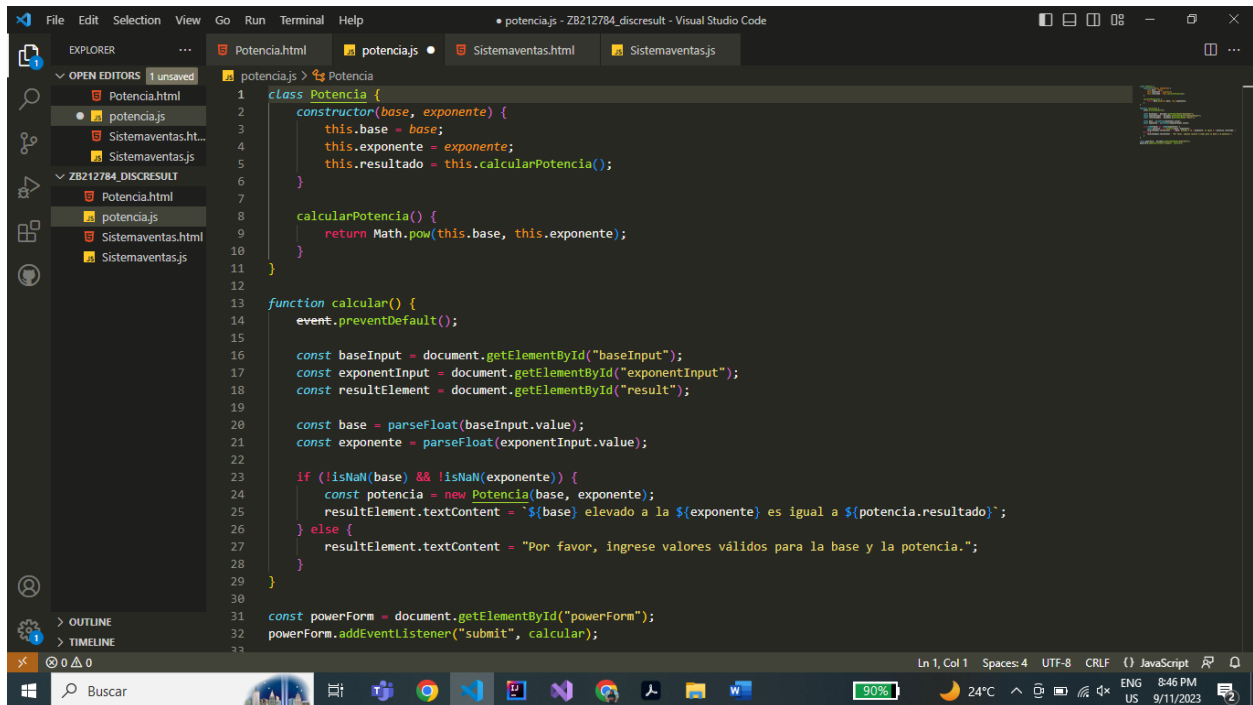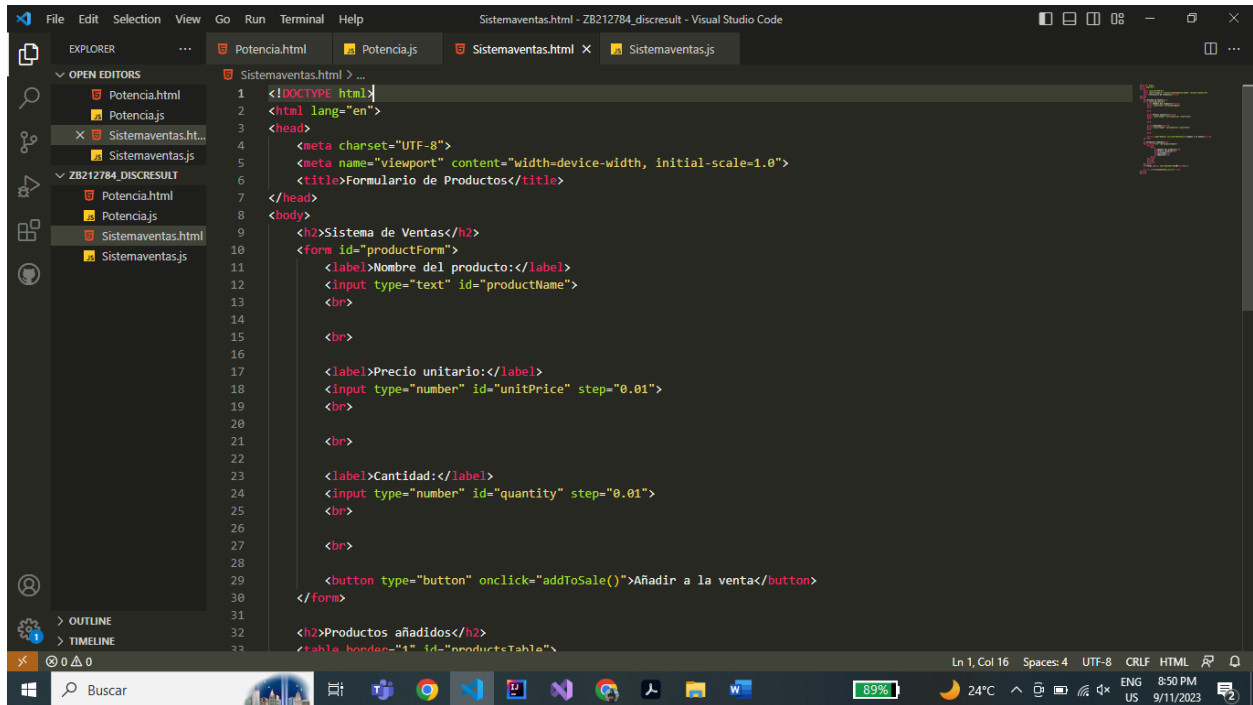


```javascript
class Potencia {
    constructor(base, exponente) {
        this.base = base;
        this.exponente = exponente;
        this.resultado = this.calcularPotencia();
    }

    calcularPotencia() {
        return Math.pow(this.base, this.exponente);
    }
}

function calcular() {
    event.preventDefault();

    const baseInput = document.getElementById("baseInput");
    const exponentInput = document.getElementById("exponentInput");
    const resultElement = document.getElementById("result");

    const base = parseFloat(baseInput.value);
    const exponente = parseFloat(exponentInput.value);

    if (!isNaN(base) && !isNaN(exponente)) {
        const potencia = new Potencia(base, exponente);
        resultElement.textContent = `${base} elevado a la ${exponente} es igual a ${potencia.resultado}`;
    } else {
        resultElement.textContent = "Por favor, ingrese valores válidos para la base y la potencia.";
    }
}

const powerForm = document.getElementById("powerForm");
powerForm.addEventListener("submit", calcular);
```

DAW GUIA 4

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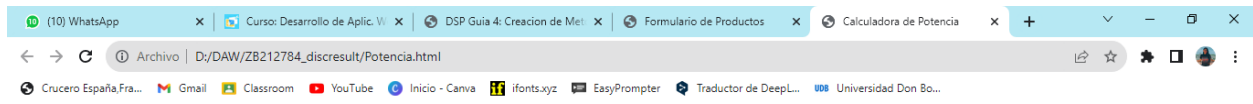
Calculadora de Potencia

Base:

4

Potencia:

7

Calcular Potencia

Resultado:

4 elevado a la 7 es igual a 16384
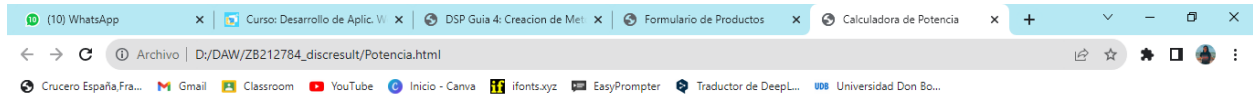
Calculadora de Potencia

Base:

10

Potencia:

8

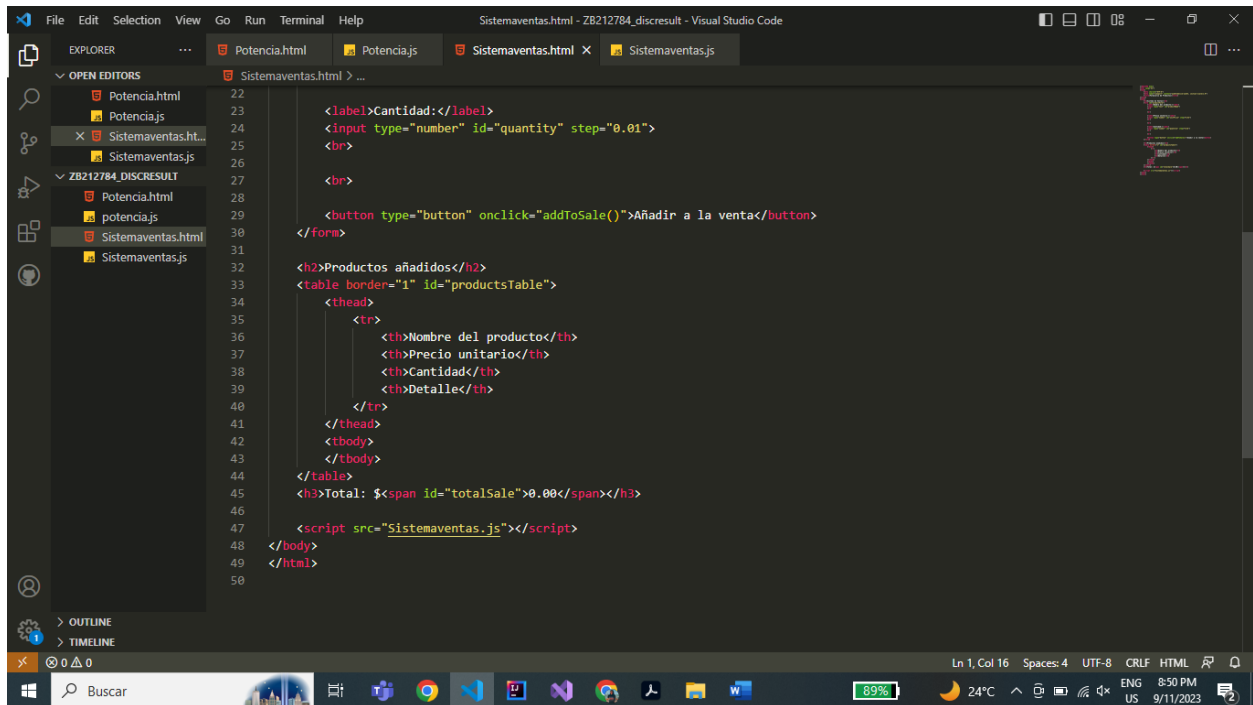**Calcular Potencia**
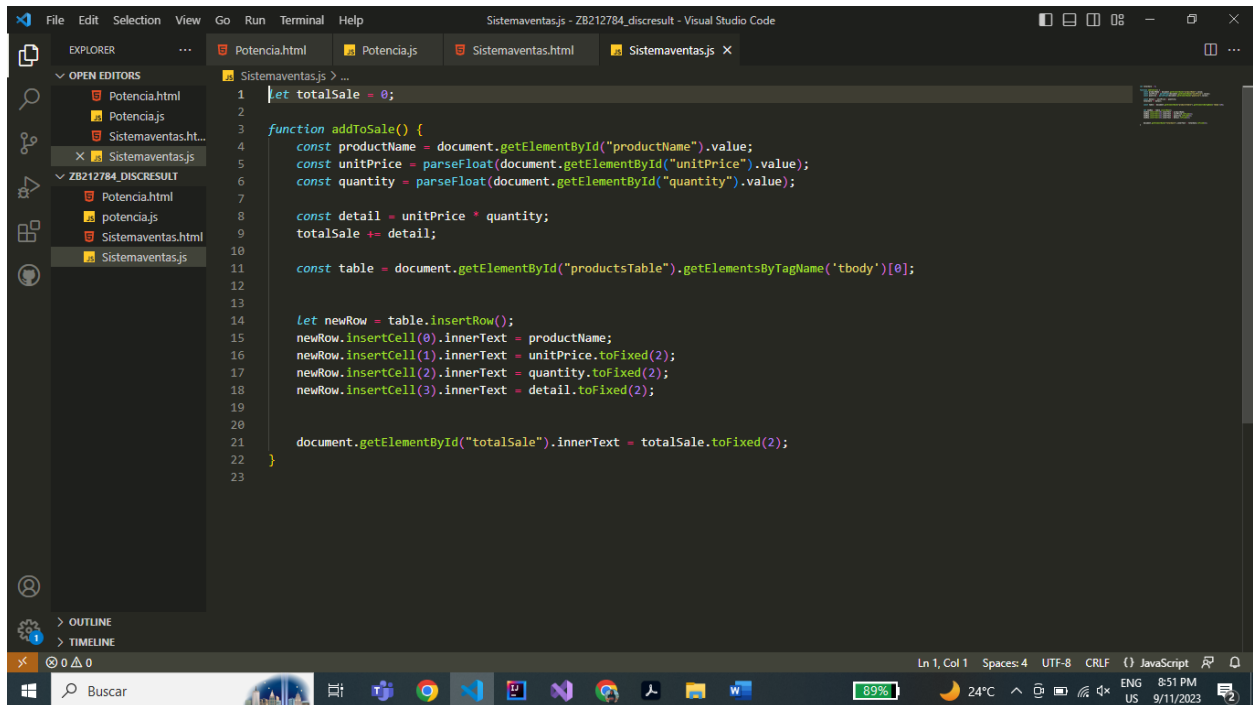
Resultado:

10 elevado a la 8 es igual a 100000000

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EJERCICIO 2

DAW GUIA 4

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https://github.com/Beltranpat7/Discussion_resultadosGUIA4_ZB212784

DAW GUIA 4