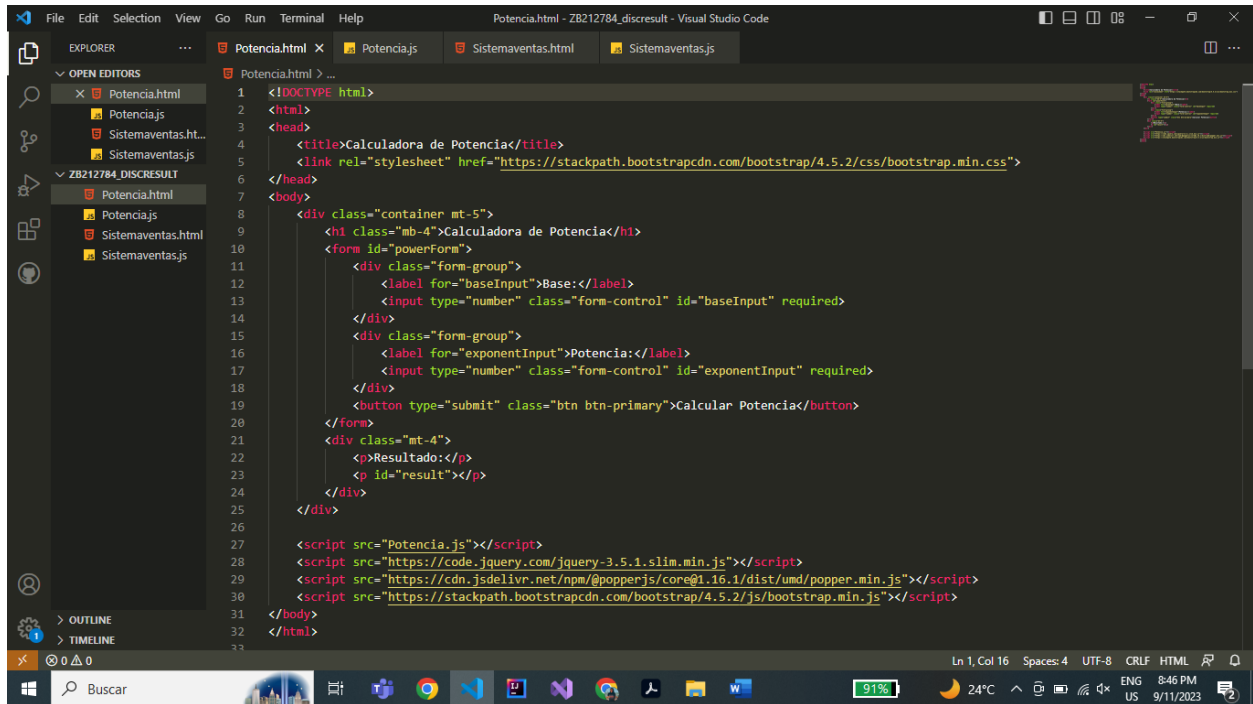


JENNIFER PATRICIA ZALDANA BELTRAN

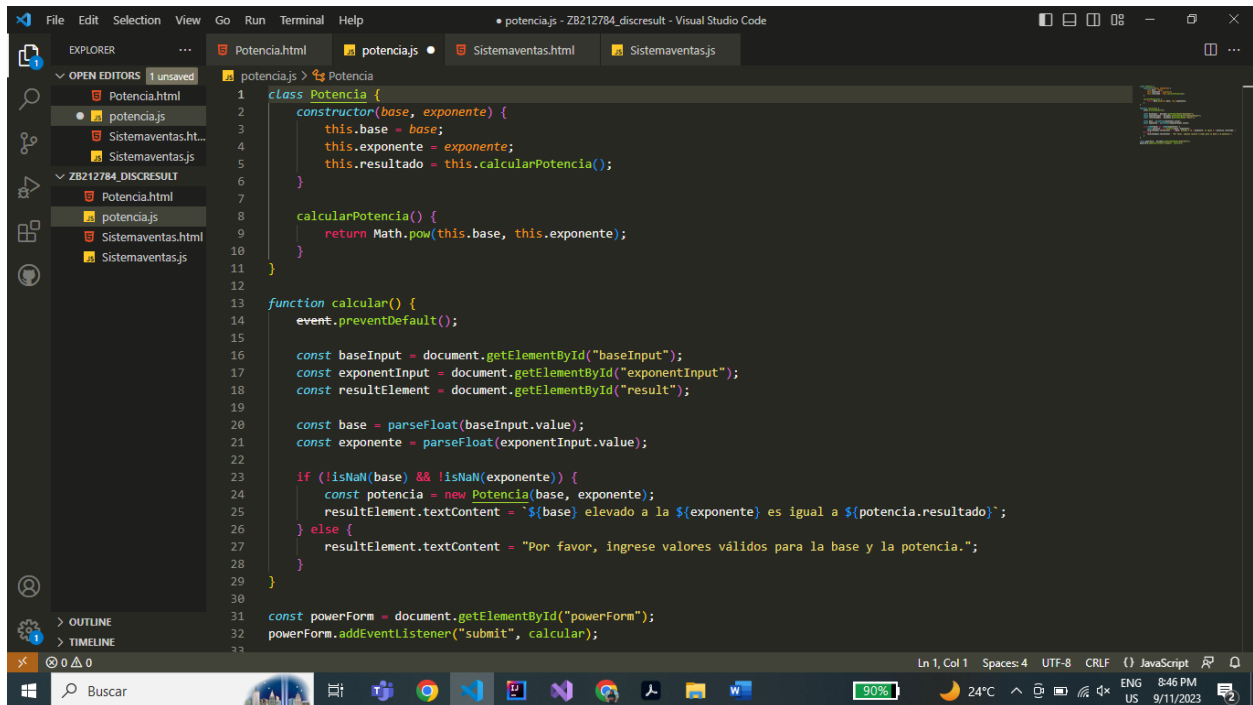
ZB212784

EJERCICIO 1



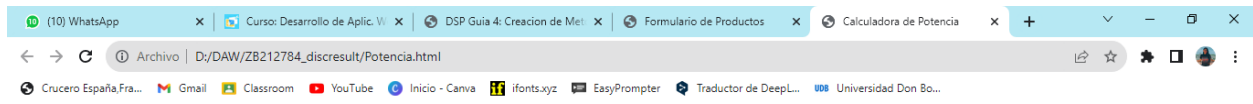
The screenshot shows the Visual Studio Code editor with the file 'Potencia.html' open. The Explorer sidebar on the left shows the project structure with files: Potencia.html, Potencia.js, Sistemaventas.html, and Sistemaventas.js. The main editor area displays the HTML code for 'Potencia.html'. The code includes a title 'Calculadora de Potencia', a form with two input fields for 'Base' and 'Potencia', a 'Calcular Potencia' button, and a 'Resultado' output field. It also includes links to Bootstrap CSS and JS, and a script for 'Potencia.js'.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Calculadora de Potencia</title>
5 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
6 </head>
7 <body>
8 <div class="container mt-5">
9 <h1 class="mb-4">Calculadora de Potencia</h1>
10 <form id="powerForm">
11 <div class="form-group">
12 <label for="baseInput">Base:</label>
13 <input type="number" class="form-control" id="baseInput" required>
14 </div>
15 <div class="form-group">
16 <label for="exponentInput">Potencia:</label>
17 <input type="number" class="form-control" id="exponentInput" required>
18 </div>
19 <button type="submit" class="btn btn-primary">Calcular Potencia</button>
20 </form>
21 <div class="mt-4">
22 <p>Resultado:</p>
23 <p id="result"></p>
24 </div>
25 </div>
26
27 <script src="Potencia.js"></script>
28 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
29 <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@1.16.1/dist/umd/popper.min.js"></script>
30 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
31 </body>
32 </html>
```



The screenshot shows the Visual Studio Code editor with the file 'potencia.js' open. The Explorer sidebar on the left shows the project structure with files: Potencia.html, potencia.js, Sistemaventas.html, and Sistemaventas.js. The main editor area displays the JavaScript code for 'potencia.js'. The code defines a 'Potencia' class with a constructor and a 'calcularPotencia' method. It also includes a 'calcular' function that handles the form submission and updates the result field.

```
1 class Potencia {
2   constructor(base, exponente) {
3     this.base = base;
4     this.exponente = exponente;
5     this.resultado = this.calcularPotencia();
6   }
7
8   calcularPotencia() {
9     return Math.pow(this.base, this.exponente);
10  }
11 }
12
13 function calcular() {
14   event.preventDefault();
15
16   const baseInput = document.getElementById("baseInput");
17   const exponentInput = document.getElementById("exponentInput");
18   const resultElement = document.getElementById("result");
19
20   const base = parseFloat(baseInput.value);
21   const exponente = parseFloat(exponentInput.value);
22
23   if (!isNaN(base) && !isNaN(exponente)) {
24     const potencia = new Potencia(base, exponente);
25     resultElement.textContent = `${base} elevado a la ${exponente} es igual a ${potencia.resultado}`;
26   } else {
27     resultElement.textContent = "Por favor, ingrese valores válidos para la base y la potencia.";
28   }
29 }
30
31 const powerForm = document.getElementById("powerForm");
32 powerForm.addEventListener("submit", calcular);
```



Calculadora de Potencia

Base:

4

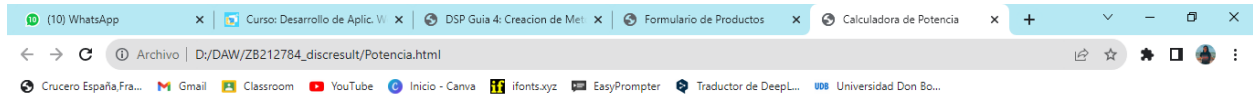
Potencia:

7

Calcular Potencia

Resultado:

4 elevado a la 7 es igual a 16384



Calculadora de Potencia

Base:

10

Potencia:

8

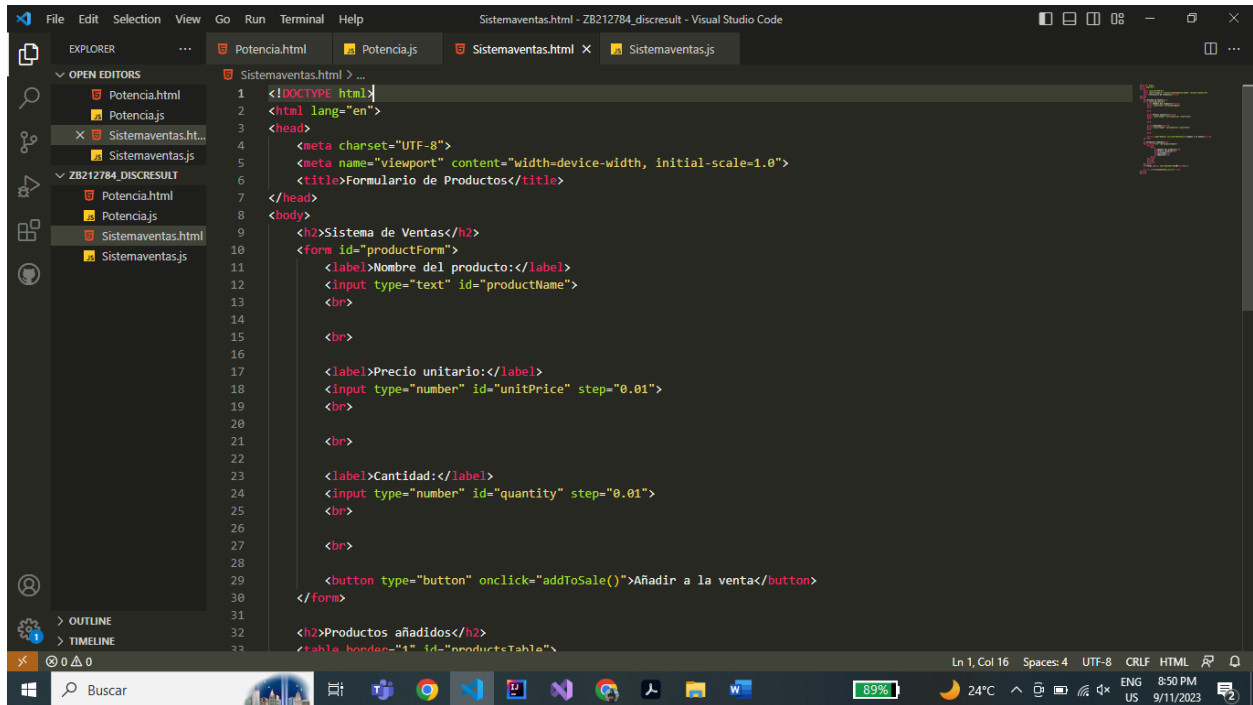
Calcular Potencia

Resultado:

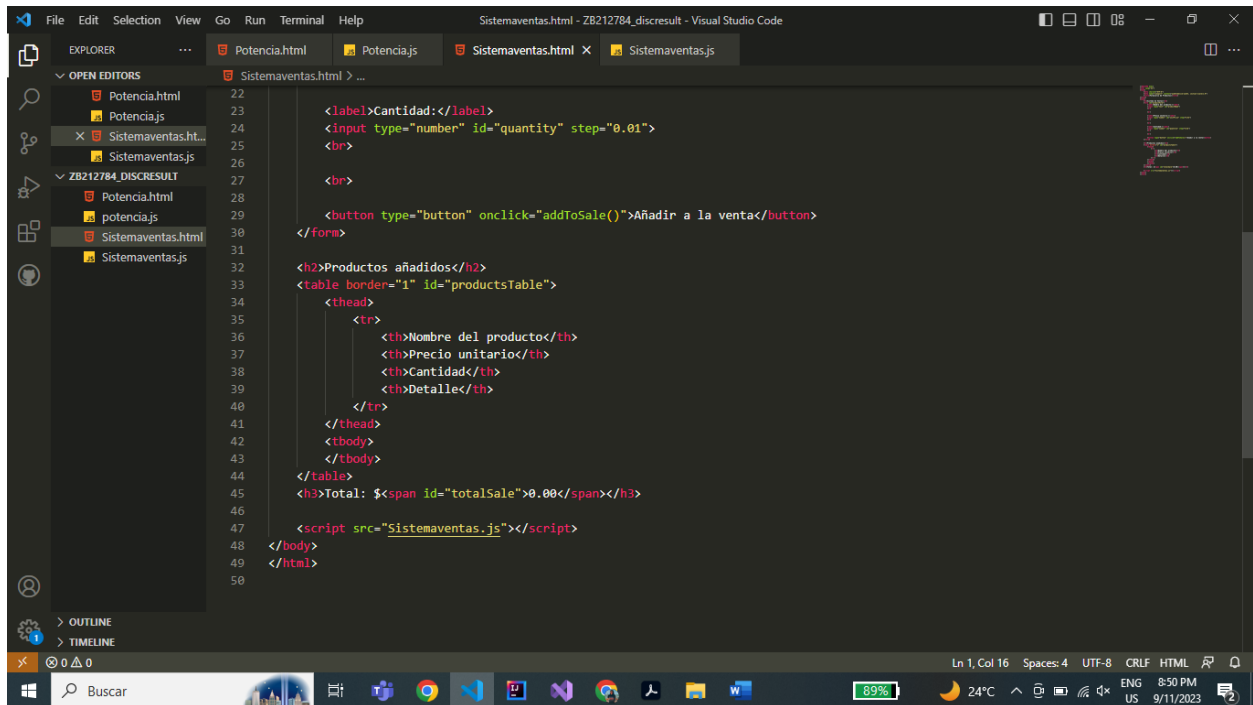
10 elevado a la 8 es igual a 100000000



EJERCICIO 2

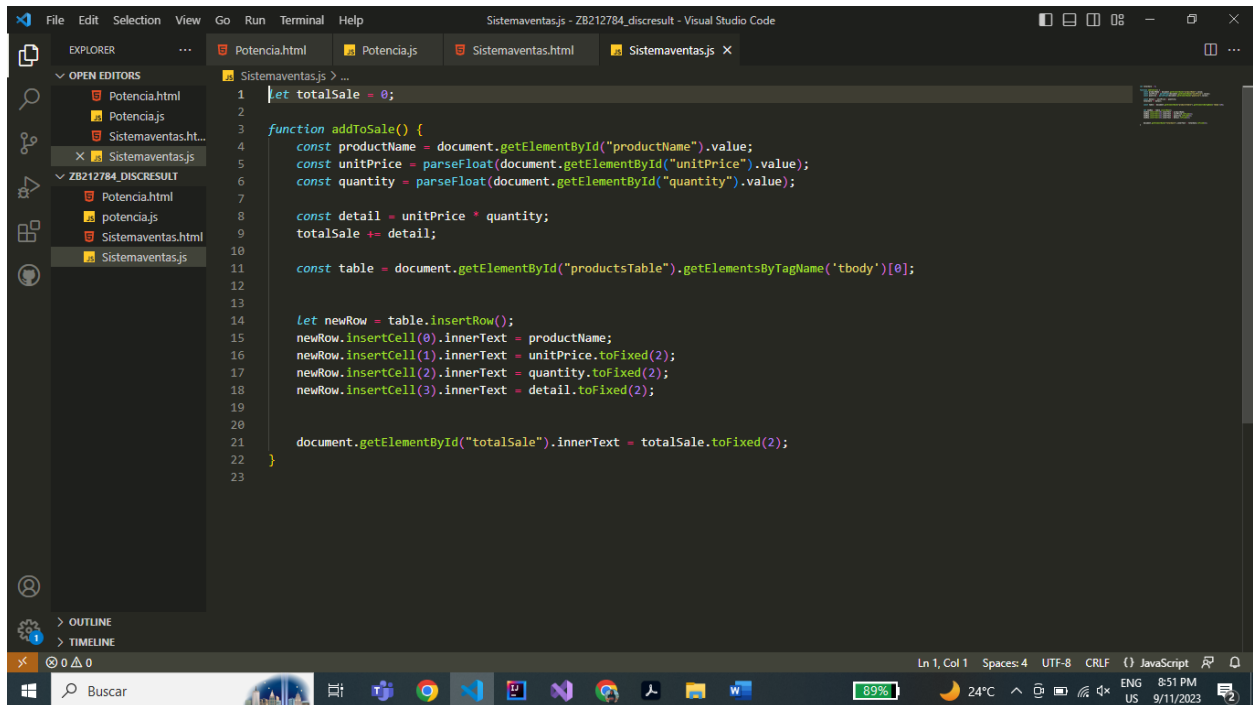


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Formulario de Productos</title>
7 </head>
8 <body>
9 <h2>Sistema de Ventas</h2>
10 <form id="productForm">
11 <label>Nombre del producto:</label>
12 <input type="text" id="productName">
13 <br>
14
15 <br>
16
17 <label>Precio unitario:</label>
18 <input type="number" id="unitPrice" step="0.01">
19 <br>
20
21 <br>
22
23 <label>Cantidad:</label>
24 <input type="number" id="quantity" step="0.01">
25 <br>
26
27 <br>
28
29 <button type="button" onclick="addToSale()">Añadir a la venta</button>
30 </form>
31
32 <h2>Productos añadidos</h2>
33 <table border="1" id="productsTable">
```

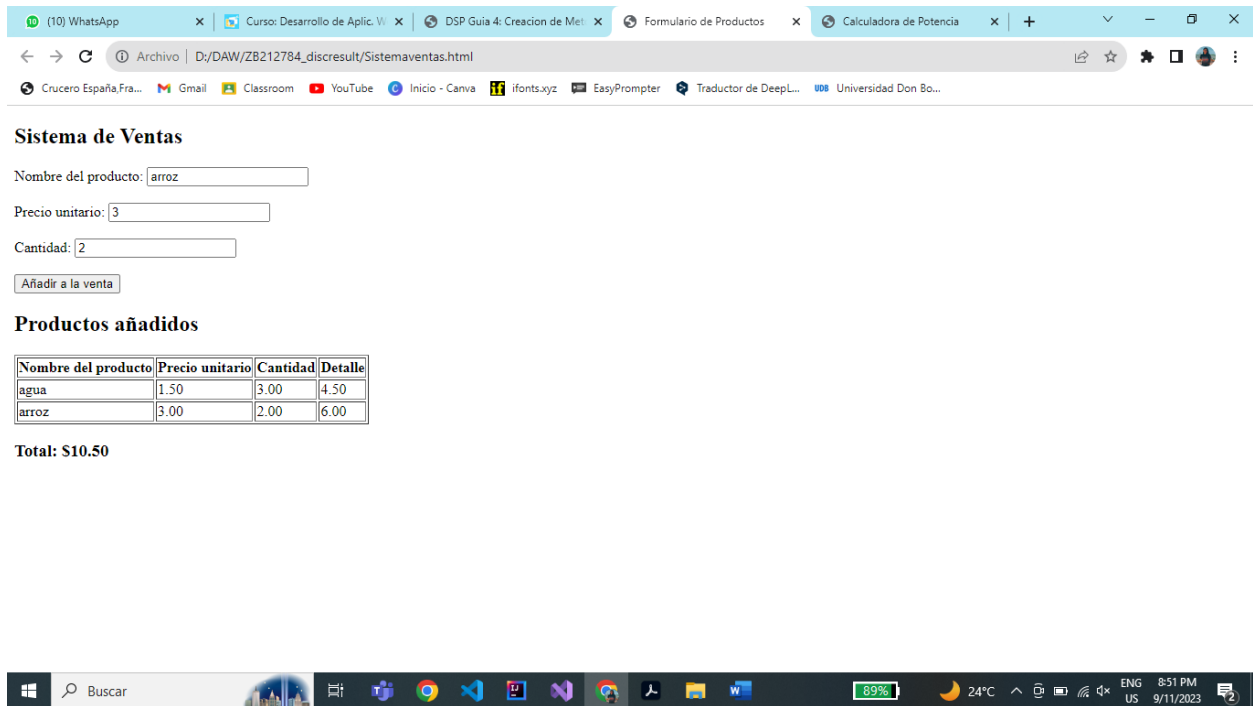


```
22
23 <label>Cantidad:</label>
24 <input type="number" id="quantity" step="0.01">
25 <br>
26
27 <br>
28
29 <button type="button" onclick="addToSale()">Añadir a la venta</button>
30 </form>
31
32 <h2>Productos añadidos</h2>
33 <table border="1" id="productsTable">
34 <thead>
35 <tr>
36 <th>Nombre del producto</th>
37 <th>Precio unitario</th>
38 <th>Cantidad</th>
39 <th>Detalle</th>
40 </tr>
41 </thead>
42 <tbody>
43 </tbody>
44 </table>
45 <h3>Total: $<span id="totalSale">0.00</span></h3>
46
47 <script src="Sistemaventas.js"></script>
48 </body>
49 </html>
50
```

JENNIFER PATRICIA ZALDANA BELTRAN
ZB212784



```
1 let totalSale = 0;
2
3 function addToSale() {
4   const productName = document.getElementById("productName").value;
5   const unitPrice = parseFloat(document.getElementById("unitPrice").value);
6   const quantity = parseFloat(document.getElementById("quantity").value);
7
8   const detail = unitPrice * quantity;
9   totalSale += detail;
10
11   const table = document.getElementById("productsTable").getElementsByTagName('tbody')[0];
12
13   let newRow = table.insertRow();
14   newRow.insertCell(0).innerText = productName;
15   newRow.insertCell(1).innerText = unitPrice.toFixed(2);
16   newRow.insertCell(2).innerText = quantity.toFixed(2);
17   newRow.insertCell(3).innerText = detail.toFixed(2);
18
19   document.getElementById("totalSale").innerText = totalSale.toFixed(2);
20 }
21
22
23
```



Sistema de Ventas

Nombre del producto:

Precio unitario:

Cantidad:

Productos añadidos

Nombre del producto	Precio unitario	Cantidad	Detalle
agua	1.50	3.00	4.50
arroz	3.00	2.00	6.00

Total: \$10.50

https://github.com/Beltranpat7/Discusion_resultadosGUIA4_ZB212784