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Domain selected:webdevelopment

Batch name =2

Task title:functional calculator

Objective:simple calculation

Index.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <title>Functional Calculator</title>
```

```
  <style>
```

```
    body {
```

```
      display: flex;
```

```
      justify-content: center;
```

```
      align-items: center;
```

```
      height: 100vh;
```

```
      background: linear-gradient(135deg, #667eea, #764ba2);
```

```
      font-family: Arial, sans-serif;
```

```
}
```

```
.calculator {  
  background: #fff;  
  padding: 20px;  
  border-radius: 12px;  
  width: 260px;  
  box-shadow: 0 10px 25px rgba(0,0,0,0.2);  
}
```

```
.display {  
  width: 100%;  
  height: 50px;  
  font-size: 22px;  
  text-align: right;  
  padding: 10px;  
  margin-bottom: 15px;  
  border: none;  
  background: #f1f1f1;  
  border-radius: 8px;  
}
```

```
.buttons {  
  display: grid;  
  grid-template-columns: repeat(4, 1fr);  
  gap: 10px;  
}
```

```
button {  
    height: 45px;  
    font-size: 18px;  
    border: none;  
    border-radius: 8px;  
    cursor: pointer;  
    background: #e0e0e0;  
}
```

```
button:hover {  
    background: #d1d1d1;  
}
```

```
.operator {  
    background: #667eea;  
    color: white;  
}
```

```
.operator:hover {  
    background: #5a6edc;  
}
```

```
.clear {  
    background: #ff6b6b;  
    color: white;  
}
```

```
.equal {
```

```
        background: #38b000;

        color: white;

        grid-column: span 2;
    }
</style>
</head>
<body>

<div class="calculator">

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

    <div class="buttons">

        <button class="clear" onclick="clearDisplay()">C</button>

        <button onclick="deleteLast()">⌫</button>

        <button class="operator" onclick="appendValue('/')">/</button>

        <button class="operator" onclick="appendValue('*')">*</button>


        <button onclick="appendValue('7')">7</button>

        <button onclick="appendValue('8')">8</button>

        <button onclick="appendValue('9')">9</button>

        <button class="operator" onclick="appendValue('-')">-</button>


        <button onclick="appendValue('4')">4</button>

        <button onclick="appendValue('5')">5</button>

        <button onclick="appendValue('6')">6</button>

        <button class="operator" onclick="appendValue('+')">+</button>


        <button onclick="appendValue('1')">1</button>
```

```
<button onclick="appendValue('2')">2</button>
```

```
<button onclick="appendValue('3')">3</button>
```

```
<button onclick="appendValue('.')">.</button>
```

```
<button onclick="appendValue('0')">0</button>
```

```
<button class="equal" onclick="calculate()">=</button>
```

```
</div>
```

```
</div>
```

```
<script>
```

```
let display = document.getElementById("display");
```

```
function appendValue(value) {
```

```
    display.value += value;
```

```
}
```

```
function clearDisplay() {
```

```
    display.value = "";
```

```
}
```

```
function deleteLast() {
```

```
    display.value = display.value.slice(0, -1);
```

```
}
```

```
function calculate() {
```

```
    try {
```

```
        display.value = eval(display.value);
```

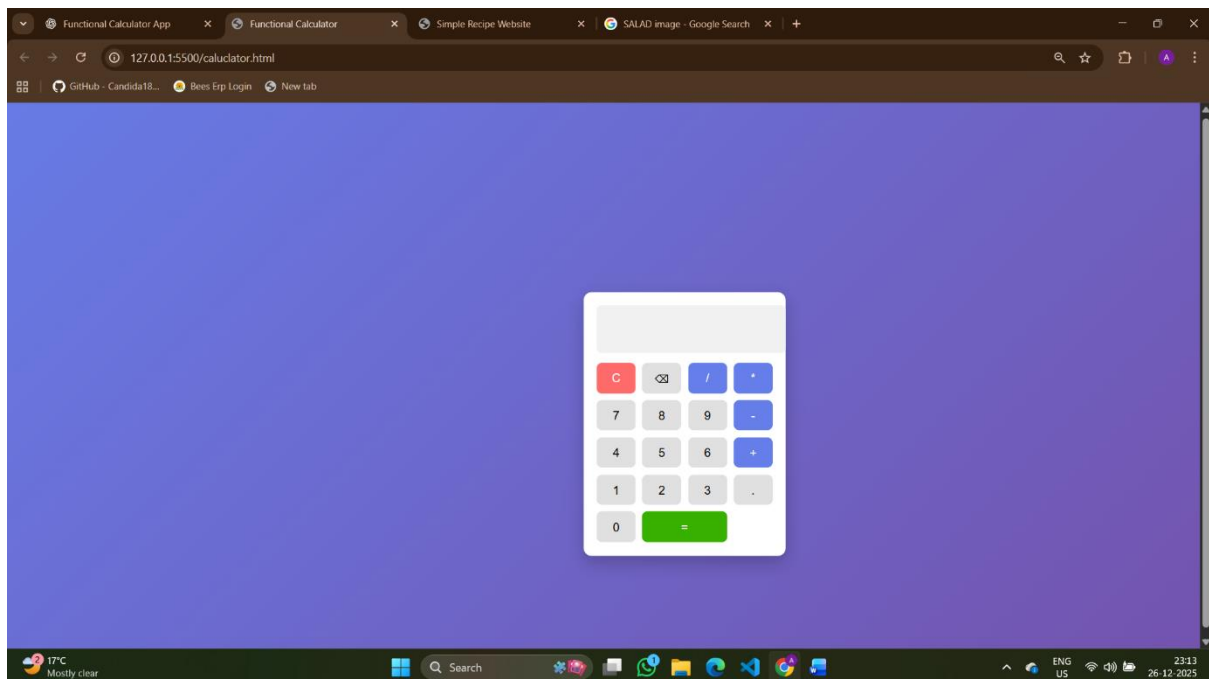
```
    } catch {
```

```
        display.value = "Error";
    }
}
</script>
```

```
</body>
```

```
</html>
```

Output:



Task title: recipe website

Objective: Assistance

Code: index.html

```
<!DOCTYPE html>
```

```
<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Simple Recipe Website</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background: #f4f4f4;

      margin: 0;

      padding: 0;

    }


    header {

      background: #ff7043;

      color: white;

      padding: 15px;

      text-align: center;

    }


    .container {

      padding: 20px;

      display: grid;

      grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

      gap: 20px;

    }


    .recipe {

      background: white;
```

```
padding: 15px;
border-radius: 8px;
box-shadow: 0 4px 8px rgba(0,0,0,0.1);
}
```

```
.recipe img {
width: 100%;
border-radius: 8px;
}
```

```
h3 {
color: #ff7043;
}
```

```
ul, ol {
padding-left: 20px;
}
```

```
footer {
background: #333;
color: white;
text-align: center;
padding: 10px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```



```
<header>
```

```
  <h1>My Simple Recipe Website</h1>
```

```
  <p>5 Easy & Tasty Recipes</p>
```

```
</header>
```

```
<div class="container">
```

```
  <div class="recipe">
```

```
    
```

```
    <h3>Pizza</h3>
```

```
    <h4>Ingredients</h4>
```

```
    <ul>
```

```
      <li>Pizza base</li>
```

```
      <li>Cheese</li>
```

```
      <li>Tomato sauce</li>
```

```
    </ul>
```

```
    <h4>Steps</h4>
```

```
    <ol>
```

```
      <li>Spread sauce on base</li>
```

```
      <li>Add cheese</li>
```

```
      <li>Bake for 10 minutes</li>
```

```
    </ol>
```

```
  </div>
```

```
<div class="recipe">
```


<h3>Burger</h3>

<h4>Ingredients</h4>

Buns

Patty

Vegetables

<h4>Steps</h4>

Cook patty

Place in bun

Add veggies

</div>

<div class="recipe">

<h3>Pasta</h3>

<h4>Ingredients</h4>

Pasta

Sauce

Salt

<h4>Steps</h4>

```
<ol>

  <li>Boil pasta</li>

  <li>Add sauce</li>

  <li>Mix well</li>

</ol>

</div>
```

```
<div class="recipe">

  
```

```
  <h3>Sandwich</h3>

  <h4>Ingredients</h4>

  <ul>
```

```
    <li>Bread</li>

    <li>Butter</li>

    <li>Veggies</li>

  </ul>
```

```
  <h4>Steps</h4>

  <ol>
```

```
    <li>Apply butter</li>

    <li>Add veggies</li>

    <li>Close bread</li>

  </ol>
```

```
</div>
```

```
<div class="recipe">

  
```

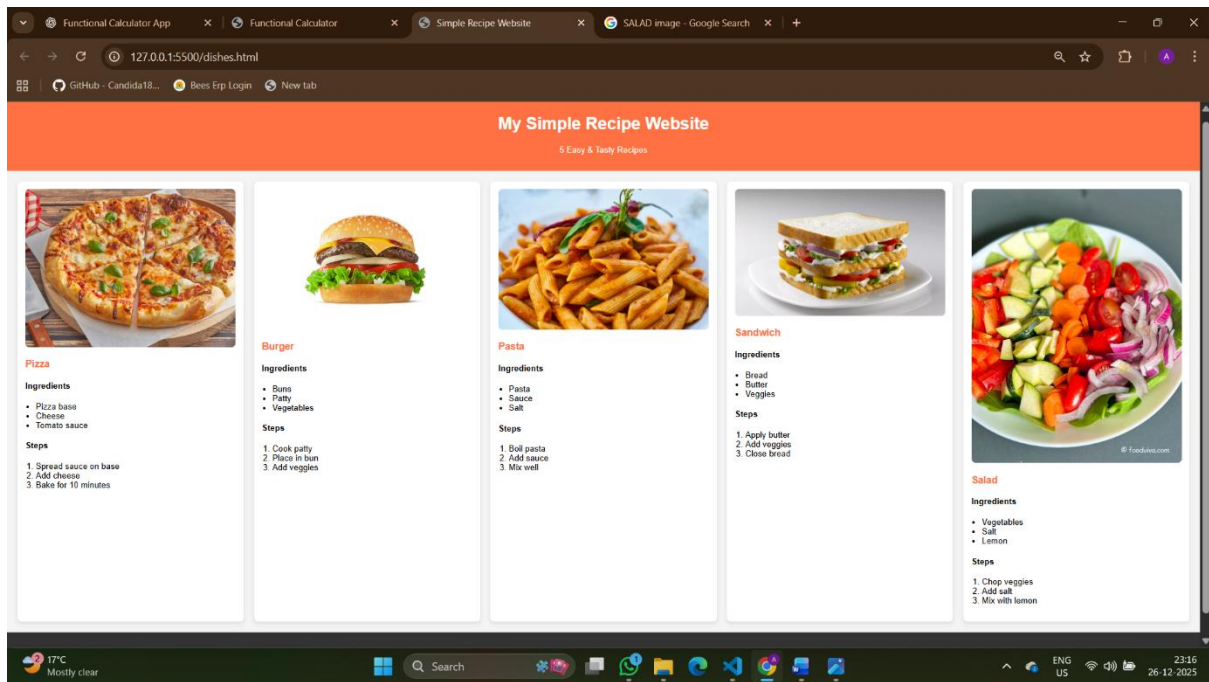
```
<h3>Salad</h3>
<h4>Ingredients</h4>
<ul>
  <li>Vegetables</li>
  <li>Salt</li>
  <li>Lemon</li>
</ul>
<h4>Steps</h4>
<ol>
  <li>Chop veggies</li>
  <li>Add salt</li>
  <li>Mix with lemon</li>
</ol>
</div>

</div>

<footer>
  <p>© 2025 Simple Recipe Website</p>
</footer>

</body>
</html>
```

Output:



What I Learned

Through these projects, I learned how to design and develop simple web applications using **HTML, CSS, and JavaScript**. I gained practical experience in creating user-friendly interfaces, handling user input, performing logical operations, and displaying results dynamically. Working on the mini calculator improved my understanding of arithmetic logic and event handling, while the recipe website helped me learn content structuring, layout design, and the use of images and lists to present information clearly.

Conclusion

In conclusion, these mini projects helped me strengthen my **front-end development skills** and improved my confidence in building functional and visually appealing websites. The mini calculator demonstrated real-time computation, and the recipe website showcased organized content presentation. Overall, these tasks provided a strong foundation for developing more advanced web applications in the future.