

Calculator report

This report provides an overview of my second project (INTERMEDIATE) i.e. a simple calculator made with HTML, CSS and JavaScript. It includes the code structure, styling and functions used to formulate the calculator.

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1. Introduction

- Project overview: briefly describe the usage of the calculator.
- Technologies used: HTML, CSS and JavaScript

2. HTML structure

```
<!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="styles.css">

  <title>Mobile Phone Calculator</title>

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

</head>

<body>
```



```
<script src="k.js"></script>
</body>
</html>
```

3 css styling

```
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  background-color: #1a1a1a;
  font-family: 'Arial', sans-serif;
}
```

```
.calculator {
  background: black;
  border-radius: 10px;
  box-shadow: 0 5px 15px rgba(0, 0, 0, 0.5);
  padding: 20px;
  width: 320px;
}
```

```
#display {
  width: 100%;
  height: 50px;
  font-size: 24px;
  text-align: right;
  padding: 10px;
  border: 2px solid orange;
```

```
border-radius: 5px;
box-sizing: border-box;
background-color: #333;
color: white;
}
```

```
.buttons {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  gap: 5px; /* Small gaps for better touch usability */
}
```

```
button {
  height: 60px;
  font-size: 20px;
  border: none;
  border-radius: 5px;
  background-color: orange;
  color: black;
  cursor: pointer;
  transition: background-color 0.3s;
}
```

```
button:hover {
  background-color: #ff8c00;
}
```

```
.function {
  background-color: #ff5722; /* Different color for function buttons */
}
```

```
}
```

```
.function: hover {  
    background-color: #e64a19;  
}
```

```
.equals {  
    grid-column: span 2; /* Equals button spans two columns */  
    background-color: #ff5722;  
}
```

```
.equals: hover {  
    background-color: #e64a19;  
}
```

4 java script

```
function appendToDisplay(value) {  
    const display = document.getElementById('display');  
    display.value += value;  
}
```

```
function clearDisplay() {  
    document.getElementById('display').value = '';  
}
```

```
function calculate() {  
    const display = document.getElementById('display');  
    try {
```

```
const expression = display.value.replace(/x2/g, '**2').replace(/√/g,
'Math.sqrt').replace(/π/g, Math.PI);

display.value = eval(expression);

} catch (error) {
display.value = 'Error';
}
}
```

Features

- Easy access to numbers
- C button for clearing output
- User friendly
- Simple to use
- Does simple arithmetic operations
- Catchy user interface

6.Screenshots

