

# Calculator Assignment

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Calculator</title>

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

  <style>

    * {

      margin: 0;

      padding: 0;

      box-sizing: border-box;

    }

    body {

      min-height: 100vh;

      background: white;

      display: flex;

      justify-content: center;

      align-items: center;

    }

    .calculator {

      width: 300px;

      height: 500px;

      box-shadow: 4px 4px 30px rgba(0,0,0,0.2);

      border-radius: 12px;

      background: #222522;

      overflow: hidden;
```

```
}  
form input {  
  width: 100%;  
  height: 150px;  
  border: none;  
  border-radius: 12px;  
  font-size: 2rem;  
  padding: 1rem;  
  color: #fff;  
  background: #000;  
  text-align: right;  
  pointer-events: none;  
}  
.button {  
  display: flex;  
  flex-wrap: wrap;  
  justify-content: space-between;  
  padding: 20px;  
}  
button {  
  flex: 0 0 22%;  
  margin: 5px 0;  
  border: 1px solid #000;  
  width: 60px;  
  height: 52px;  
  font-size: 22px;  
  font-weight: 600;  
  border-radius: 5px;  
  cursor: pointer;  
}
```

```
.btn-yellow {
    background: rgb(245, 146, 62);
    color: #fff;
}

.btn-grey {
    background: rgb(224, 224, 224);
    color: #000;
}

.btn-equal {
    background: green;
    color: #fff;
}

.btn-clear {
    background: red;
    color: #fff;
}

</style>
</head>
<body>
    <section class="calculator">
        <form>
            <input type="text" class="screen" readonly>
        </form>
        <div class="button">
            <button type="button" class="btn btn-yellow" data-num=""></button>
            <button type="button" class="btn btn-yellow" data-num="/"></button>
            <button type="button" class="btn btn-yellow" data-num="-"></button>
            <button type="button" class="btn btn-yellow" data-num="+"></button>
            <button type="button" class="btn btn-grey" data-num="9">9</button>
            <button type="button" class="btn btn-grey" data-num="8">8</button>
```

```

<button type="button" class="btn btn-grey" data-num="7">7</button>
<button type="button" class="btn btn-grey" data-num="6">6</button>
<button type="button" class="btn btn-grey" data-num="5">5</button>
<button type="button" class="btn btn-grey" data-num="4">4</button>
<button type="button" class="btn btn-grey" data-num="3">3</button>
<button type="button" class="btn btn-grey" data-num="2">2</button>
<button type="button" class="btn btn-grey" data-num="1">1</button>
<button type="button" class="btn btn-grey" data-num="0">0</button>
<button type="button" class="btn btn-grey" data-num=".">.</button>
<button type="button" class="btn btn-equal">=</button>
<button type="button" class="btn btn-clear">C</button>

</div>

</section>

<script>
(function() {
    let screen = document.querySelector('.screen');
    let buttons = document.querySelectorAll('.btn');
    let clear = document.querySelector('.btn-clear');
    let equal = document.querySelector('.btn-equal');

    buttons.forEach(function(button) {
        button.addEventListener('click', function(e) {
            let value = e.target.dataset.num;
            if (value !== undefined) {
                screen.value += value;
            }
        });
    });

    equal.addEventListener('click', function() {

```

```
if (screen.value === "") {  
    screen.value = "Please enter";  
} else {  
    try {  
        let answer = eval(screen.value);  
        screen.value = answer;  
    } catch (error) {  
        screen.value = "Error";  
    }  
}  
});  
  
clear.addEventListener('click', function() {  
    screen.value = "";  
});  
})();  
</script>  
</body>  
</html>
```

Out put:

