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Assignment No : 1	Submission Date : March 16, 2024
Assignment Title: Calculator	

**Code :**

### HTML FILE

*// insert code*

```
<!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">
</head>
<body>
  <div id="calculator">
    <input id="display" readonly>
    <div id="keys">
      <button onclick="appendToDisplay('+)"
class="operator-btn">+</button> <button
onclick="appendToDisplay('7')>7</button>
      <button onclick="appendToDisplay('8')>8</button>
      <button onclick="appendToDisplay('9')>9</button>
      <button onclick="appendToDisplay('-)" class="operator-btn">-</button>
      <button onclick="appendToDisplay('4')>4</button>
      <button onclick="appendToDisplay('5')>5</button>
      <button onclick="appendToDisplay('6')>6</button>
      <button onclick="appendToDisplay('*)" class="operator-btn">*</button>
      <button onclick="appendToDisplay('1')>1</button>
      <button onclick="appendToDisplay('2')>2</button>
      <button onclick="appendToDisplay('3')>3</button>
      <button onclick="appendToDisplay('/')" class="operator-btn">/</button>
```



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

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

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

```
<button onclick="clearDisplay("
```

```
class="operator-btn">C</button> </div>
```

```
</div>
```

```
<script src="calculator.js"> </script>
```

```
</body>
```

```
</html>
```

## JS FILE

```
// insert code
```

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

```
function appendToDisplay(input){
```

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

```
}
```

```
function clearDisplay(){
```

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

```
}
```

```
function calculate(){
```

```
    try{
```

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

```
    }
```

```
    catch(error){
```

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

```
    }
```

```
}
```

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*body{*



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## **CSS FILE**

*// insert code*

```
margin: 0;  
margin-left: 20px;  
display: flex;  
justify-content: center;  
align-items: center;  
height:100vh;
```

```
}
```

```
#calculator {
```

```
font-family: Arial, sans-serif;  
background-color: #262626;  
border-radius: 15px;  
max-width:280px;  
overflow: hidden;
```

```
}
```

```
#display {
```

```
width: 100%;  
padding:10px;  
font-size: 3rem;  
text-align: left;  
border: none;  
background-color: hsl(0, 0%,  
20%); height: 75px;  
color: white;
```

}

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#### **#keys{**

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```
display:grid;  
grid-template-columns:repeat(4, 1fr)  
; gap:15px;  
padding: 25px;  
margin-left: -6px;
```

}

```
button{  
    width: 50px;  
    height: 50px;  
    border-radius: 50px;  
    border: none;  
    background-color: hsl(0, 0%,  
    30%); color: white;  
    font-size: 25px;  
    font-weight:bold;  
    cursor:pointer;
```

}

```
button:hover{  
    background-color: hsl(0, 0%,  
    40%); }
```

```
button:active{  
    background-color: hsl(0, 0%,  
    50%); }
```

```
.operator-btn{  
    background-color: #ff9f1a;  
}
```

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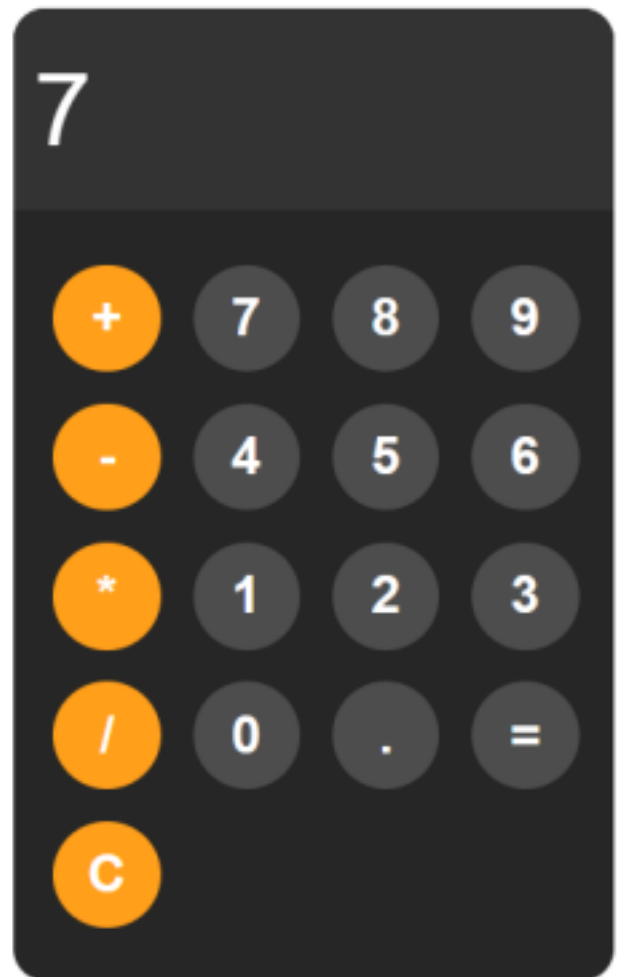
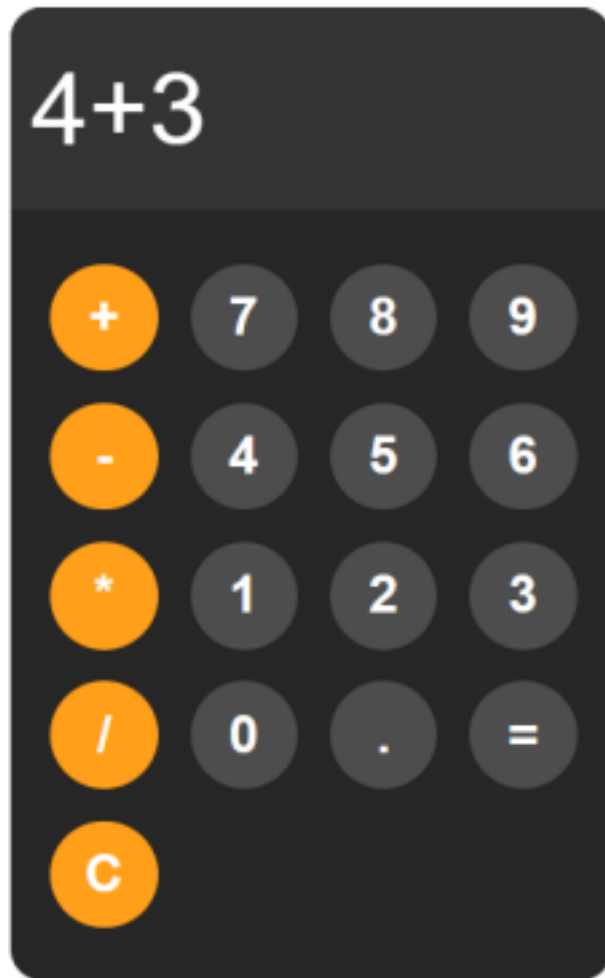
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#### **SCREENSHOT**

*// insert photo/image/screenshot of output*



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#### **Dictionary:**

`appendToDisplay(input)` – it adds new text or new value in the display field.

`clearDisplay()` – It clears or removing any text in the display field. `eval` -

Computes the outcome of mathematical expressions. `try` - Used to execute

a block of code that might potentially generate an error. `catch`- Code that is

responsible for managing the errors.