



DEVESH GUPTA

MCA (1st Year , 1st Sem)

ROLL NO. : 22MCF1R18

(Computer Game Development and Animation)

Assignment- 02

Description:

- Create a Design for *Calculator* with some Features Like *Addition*, *Subtraction* and *Multiplication* only
- Calculator Background must be *Pink Colour*

Project Title : Let's Calculate

Tech Used : HTML, CSS & Java Script

< CODE Files >

index.html FileCode

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="style.css">
  <title>Calculator Using HTML CSS & JS</title>
</head>

<body>
  <div class="container">
    <h1>LET'S CALCULATE</h1>

    <div class="calculator"> <br>
      <input type="text" name="screen" id="screen" placeholder="Start
Calculating" readonly maxlength=20>
      <table>
        <tr>
          <td><button>(</button></td>
          <td><button>)</button></td>
          <td colspan="2"><button class = "special"><b>C</b></button></td>

        </tr>
        <tr>
          <td><button>7</button></td>
          <td><button>8</button></td>
          <td><button>9</button></td>
          <td><button>X</button></td>
        </tr>
        <tr>
          <td><button>4</button></td>
          <td><button>5</button></td>
          <td><button>6</button></td>
          <td><button>-</button></td>
        </tr>
        <tr>
          <td><button>1</button></td>
          <td><button>2</button></td>
          <td><button>3</button></td>
          <td><button>+</button></td>
        </tr>
        <tr>
          <td><button>0</button></td>
```

```

        <td><button>.</button></td>
        <td colspan="2"><button class = "special"><b>=</b></button></td>
    </tr>
</table>
</div>
<footer class = "footer"> <h3 > Made with love ❤ by Devesh Gupta</h3>
</footer>
</div>

</body>
<script src="index.js"></script>

</html>

```

style.css FileCode

```

.container {
    text-align: center;
    margin-top: 40px
}

table {
    margin: auto;
    /*padding: 25px; */
    margin-top: 40px;
}

input {
    border-radius: 21px;
    border: 5px solid #244624;
    font-size: 34px;
    margin-top: 15px;
    height: 65px;
    width: 456px;
}

button {
    border-radius: 20px;
    font-size: 40px;
    background: #33f3c3;
    width: 102px;
    height: 90px;
    margin: 6px;
}

.special {
    border-radius: 20px;
}

```

```

font-size: 40px;
background: #ed0909;
font-style: oblique;
width: 240px;
height: 90px;
margin: 6px;
}

.calculator {

display: inline-block;
border-radius: 20px;
padding: 40px;
width: 256;
border: 3px solid rgb(23, 20, 20);
box-shadow: 8px 8px 5px #444;
padding: 8px 12px;
background-color: rgb(239, 18, 232);
}

h1 {
font-size: 50px;
background-color: aqua;
font-family: 'Courier New', Courier, monospace;
}

.footer {
background-color: aqua;
padding-top: 3px;
padding-bottom: 3px;
}

```

index.js FileCode

```

let screen = document.getElementById('screen');
buttons = document.querySelectorAll('button');
let screenValue = '';
for (item of buttons) {
item.addEventListener('click', (e) => {
    buttonText = e.target.innerText;
    console.log('Button text is ', buttonText);
    if (buttonText == 'X') {
        buttonText = '*';
        screenValue += buttonText;
        screen.value = screenValue;
    }
}
}

```

```
    else if (buttonText == 'C') {
        screenValue = "";
        screen.value = screenValue;
    }
    else if (buttonText == '=') {
        screen.value = eval(screenValue);
    }
    else {
        screenValue += buttonText;
        screen.value = screenValue;
    }
}
})
}
```