

# **calculator Documentation**

This document contains a clone of calculator, aimed at replicating its core features and user experience. I was responsible for the entire frontend development, utilizing technologies such as HTML,CSS and Js. The calculator showcases a functional interface that includes features like addition, subtraction and other basic features of calculator.

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## HTML CODE:-

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="style.css" />
    <link rel="icon" href="assets/logo.png" type="image/x-icon">
    <title>Calculator</title>
  </head>
  <body>
    <div class="container">
      <div class="calculator">
        <input type="text" id="inputBox" placeholder="0" />
        <div class="button-container">
          <button class="button operator clear">AC</button>
          <button class="button operator">DEL</button>
          <button class="button operator">%</button>
          <button class="button operator">/</button>
          <button class="button">7</button>
          <button class="button">8</button>
          <button class="button">9</button>
          <button class="button operator">*</button>
          <button class="button">4</button>
          <button class="button">5</button>
          <button class="button">6</button>
          <button class="button operator">-</button>
          <button class="button">1</button>
          <button class="button">2</button>
          <button class="button">3</button>
          <button class="button operator">+</button>
          <button class="button">00</button>
          <button class="button">0</button>
          <button class="button">.</button>
          <button class="button equalBtn">=</button>
        </div>
      </div>
    </div>

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

## CSS Code:-

```
@import url("https://fonts.googleapis.com/css2?family=Sofadi+One&display=swap");

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: "Sofadi One", system-ui;
}

body {
  width: 100%;
  height: 100vh;
  display: flex;
  justify-content: center;
  align-items: center;
  background-color: #0a0a0a;
}

.calculator {
  display: flex;
  flex-direction: column;
  border: none;
  padding: 20px;
  border-radius: 16px;
  background: #1c1c1c;
  box-shadow: 0px 10px 30px rgba(0, 0, 0, 0.7);
}

input {
  width: 100%;
  border: none;
  padding: 24px;
  margin-bottom: 20px;
  background: #2e2e2e;
  box-shadow: inset 0px 2px 5px rgba(0, 0, 0, 0.5);
  font-size: 40px;
  text-align: right;
  color: #ffffff;
  border-radius: 8px;
}

input::placeholder {
  color: #aaaaaa;
}

.button-container {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  gap: 10px;
  width: 100%;
}

button {
  border: none;
```

```
    height: 60px;
    border-radius: 8px;
    background: #3a3a3a;
    color: #ffffff;
    font-size: 20px;
    cursor: pointer;
    transition: background 0.3s, transform 0.1s;
}

button:hover {
    background: #4d4d4d;
    transform: scale(1.05);
}

.equalBtn {
    background-color: #2196F3;
}

.operator {
    background-color: #FF5722;
}

.clear {
    background-color: #FFEB3B;
    color: #000;
}
```

## Js code:-

```
let input = document.getElementById('inputBox');
let buttons = document.querySelectorAll('button');

let string = "";
let arr = Array.from(buttons);
arr.forEach(button => {
    button.addEventListener('click', (e) => {
        if (e.target.innerHTML == '=') {
            string = eval(string);
            input.value = string;
        }

        else if (e.target.innerHTML == 'AC') {
            string = "";
            input.value = string;
        }
        else if (e.target.innerHTML == 'DEL') {
            string = string.substring(0, string.length - 1);
            input.value = string;
        }
        else {
            string += e.target.innerHTML;
            input.value = string;
        }
    })
})
```

## Features:-

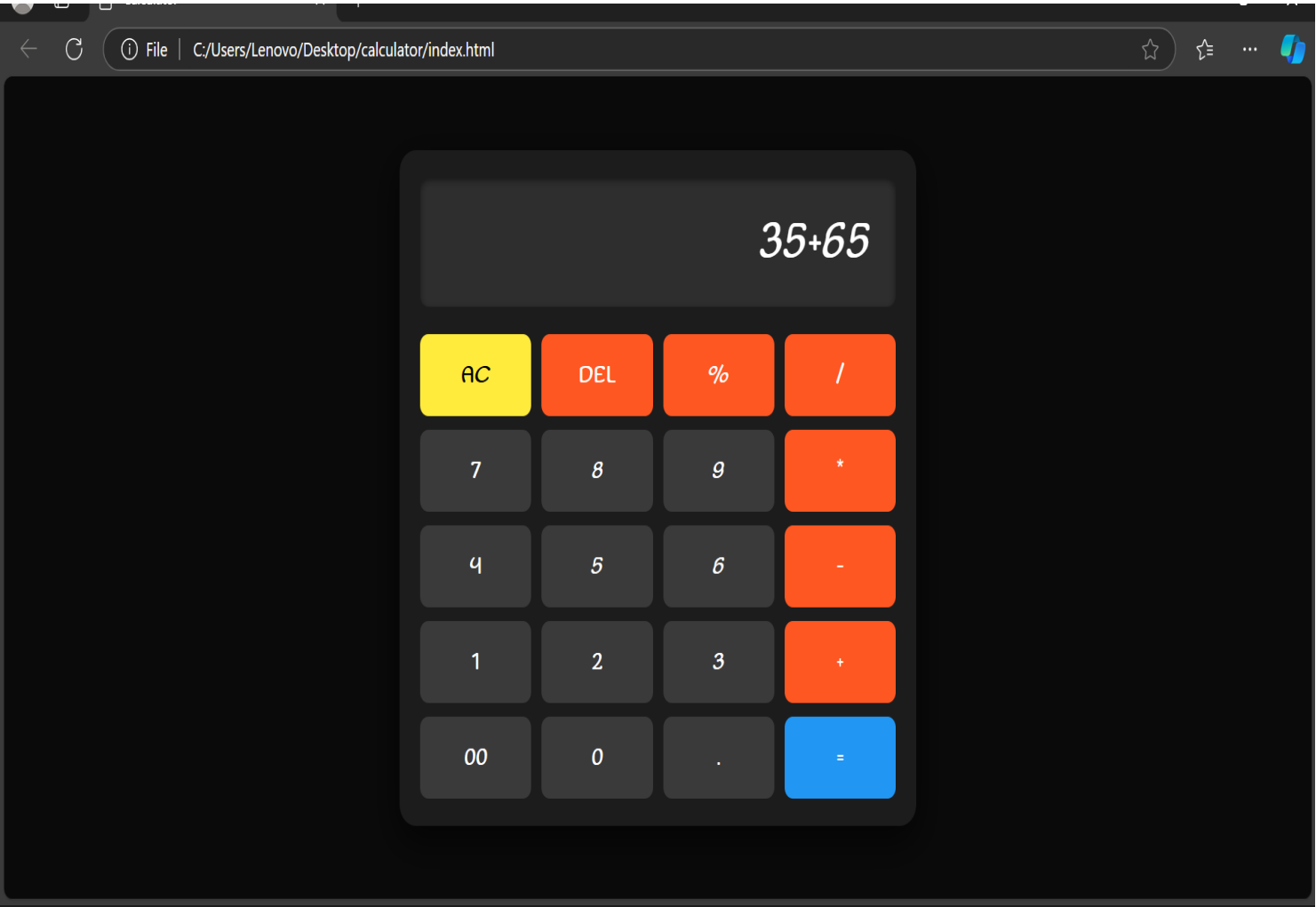
An **electronic calculator** is typically a portable electronic device used to perform calculations, ranging from basic arithmetic to complex mathematics.

My calculator can perform all the basic tasks like addition multiplication division and many more basic calculator functions.

I have given It a dark theme which is very popular all almost available in all application or web pages.

It can also calculate again and again unless and until you are satisfied since it comes with all clear(AC) and delete button.

Screenshots:-



# Portfolio Documentation

This project involved designing and developing a personal portfolio website to showcase my web design skills and projects. The goal was to create an engaging online presence that reflects my professional identity. I was responsible for both the design and development of the site, utilizing HTML and CSS.

## Table of Contents:

1. Overview
2. HTML Structure
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4. Screenshots

## Overview

Welcome to my portfolio! I'm a dedicated 2nd-year Computer Science student with skills in Web development. Here, you'll find a collection of my work that showcases my design philosophy and technical skills. I specialize in crafting user-friendly interfaces using HTML and CSS and I enjoy bringing ideas to life through engaging visuals and seamless interactions. I'm constantly improving my technical skills and exploring new technologies.

It includes the following key sections:

- Header(my profile photo with background and name)
- Main Content (introduction, about me, projects made, my skills and my contact)
- Footer (my contact information)



## HTML STRUCTURE:-

It include all the basic structure of my code.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Portfolio</title>
  <link rel="stylesheet" href="style2.css">
</head>
<body>
  <div class="profile">
    <header>
      
    </header>
  </div>
  <h2 style="text-align: center;">Tanish Sharma</h2>
  <section>
    <h2>About Me:</h2>
    <p>I am a passionate 2nd-year CSE student with skills in
Web development. My journey in tech began with a curiosity for
how things work,which quickly evolved into a love for design and
development. I specialize in crafting user-friendly interfaces using
HTML and CSS and I enjoy bringing ideas to life through engaging
visuals and seamless interactions. I'm constantly improving my
technical skills and exploring new technologies.</p>
  </section>

  <section>
    <h2>Education:</h2>
    <ul>
      <li><b>10th class(CBSE):</b>91.6 %</li>
      <li><b>12th class(CBSE):</b>92.6 %</li>
      <li><b>B.tech:</b>8.68 CGPA</li>
    </ul>
    <hr>
  </section>

  <section>
    <h2>Skills:</h2>
    <ul>
      <li>html,css,js</li>
      <li>Nodejs,SQL</li>
      <li>C,C++,Java,Python</li>
    </ul>
  </section>

  <hr>
  <section>
    <h2>Hobbies:</h2>
    <ul>
```

```

        <li>Gaming</li>
        <li>swimming</li>
        <li>Reading</li>
    </ul>
</section>

<hr>

<section>
    <h2>Acheivements:</h2>
    <ul>
        <li>Nukkad natak</li>
        <li>swimming</li>
        <li>Math-olympiad</li>
    </ul>
</section>

<hr>

<footer>
    <h2>Contact Me:</h2>
    <ul>
        <li><b>Email:</b><a style="color: white;"
href="mailto:tanish.2327cse1230@kiet.edu">tanish.2327cse1230@kiet.edu</a></li>
        <li><b>Contact:</b>9125XXXX</li>
        <li><b>Instagram:</b><a style="color: white;"
href="https://www.instagram.com/tanish_s.1/profilecard/?igsh=YnRi0TE2aDc3bG9t">Click</a></li>
        <li><b>Linkedin:</b><a style="color: white;"
href="https://www.linkedin.com/in/tanish-sharma-12a3382a1?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3B%2BtpQMUogQ%2ByNJo8gMkoa8A%3D%3D">Let's connect</a></li>
    </ul>
</footer>

<p>Bye-Bye! &#9829;</p>
</body>
</html>

```

## CSS STRUCTURE:-

```
body {
  font-family: Arial, sans-serif;
  background-color: #2c3e50; /* Dark background */
  color: #ecf0f1; /* Light text */
  margin: 0;
  padding: 20px;
}

header {
  text-align: center;
  background-color: #638ab0; /* Teal */
  color: white; /* White text */
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.3);
}

.profile{
  margin-bottom: 10px;
}

.profile img {
  width: 130px;
  height: auto;
  border-radius: 50%;
  border: 3px solid #16a085; /* Light teal */
}

h1 {
  margin: 0;
  color: white; /* White text */
  font-size: 2.5em;
}

section {
  background-color: #34495e; /* Dark gray */
  margin: 15px 0;
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.2);
  transition: transform 0.3s;
}

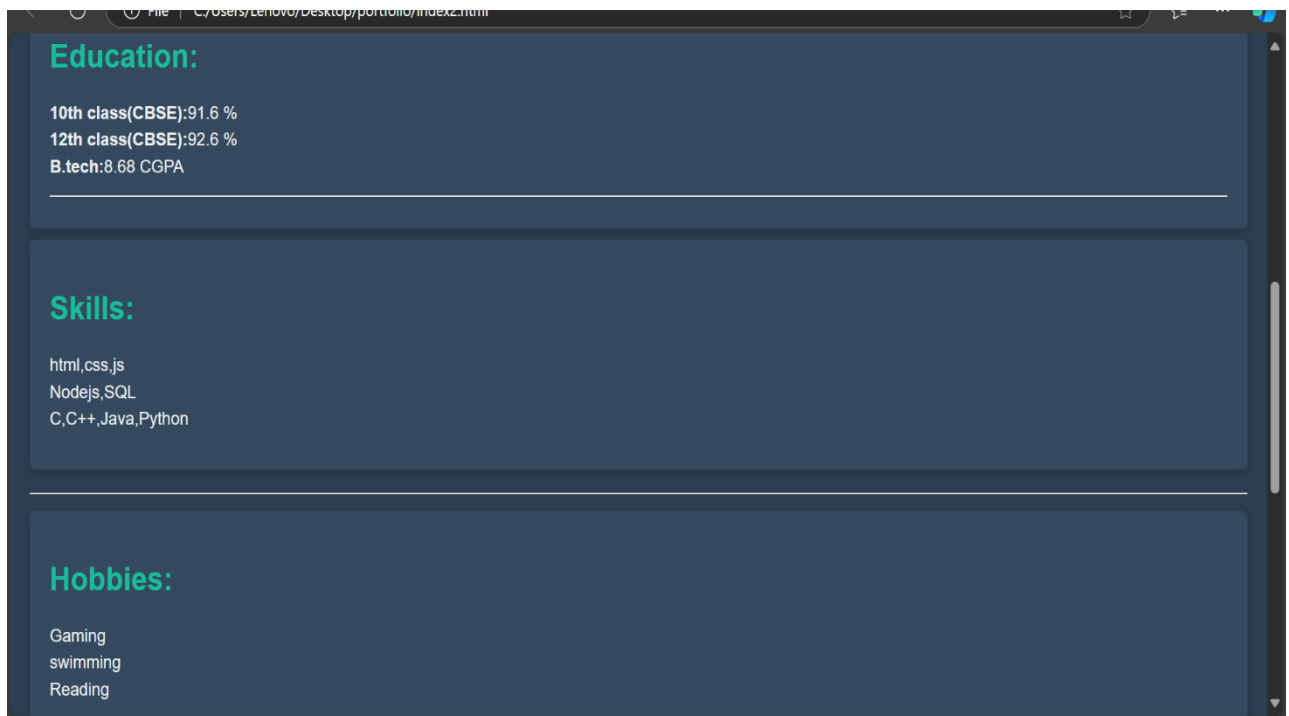
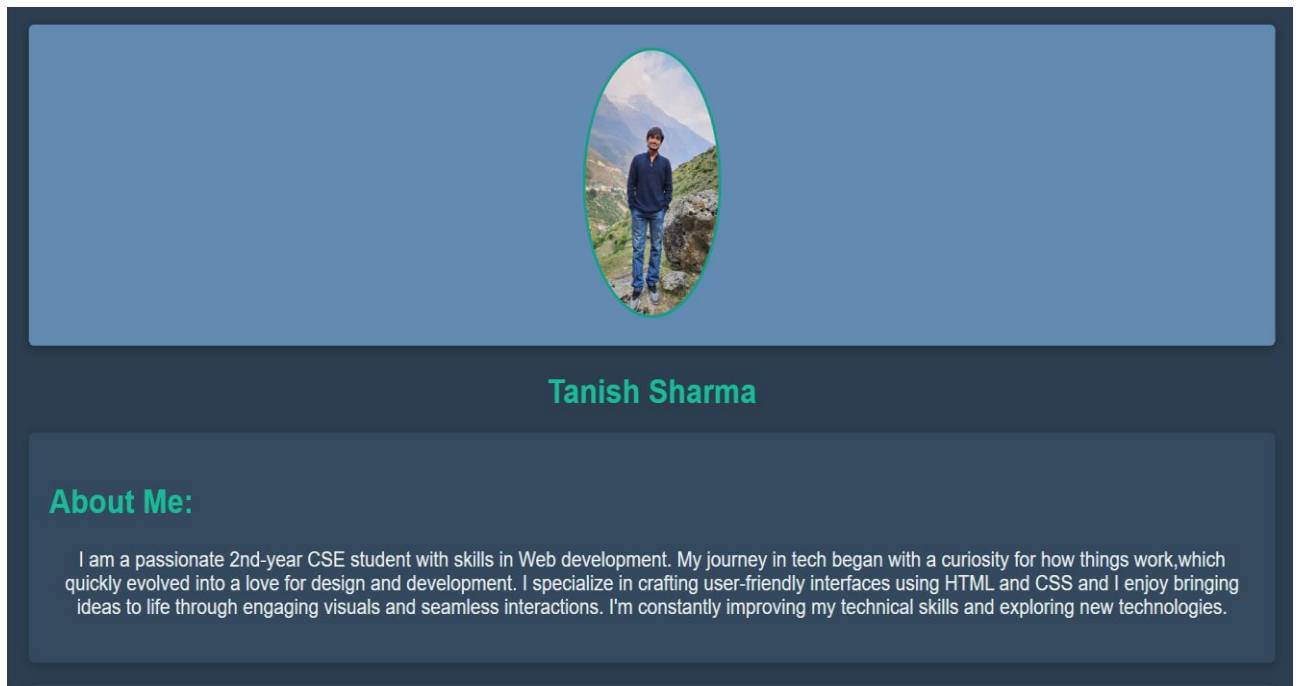
section:hover {
  transform: translateY(-5px);
}

h2 {
  color: #1abc9c; /* Teal */
  font-size: 1.8em;
}
```

```
ul {  
  list-style-type: none;  
  padding: 0;  
}  
  
li {  
  margin: 5px 0;  
}  
  
footer {  
  text-align: center;  
  margin-top: 30px;  
  font-size: 1.2em;  
}  
  
hr {  
  border: 1px solid #ddd;  
}  
  
p {  
  text-align: center;  
  font-size: 18px;  
  margin-top: 20px;  
}
```

It include's all the styling related task performed on my page including few advance features like hover etc.

## Screenshots:-



Reading

## Acheivements:

Nukkad natak  
swimming:3<sup>rd</sup> position  
Math-olympiad: bronze

## Contact Me:

Email:[tanish.2327cse1230@kiet.edu](mailto:tanish.2327cse1230@kiet.edu)

Contact:9125XXXX

Instagram:[Click](#)

Linkedin:[Let's connect](#)

Bye-Bye! ♥