CalConverter and Base Converter: A Mini Project

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1 Introduction

I have created a web application called CalConverter using HTML, CSS, and JavaScript. This application is designed to handle real-world calculations, including addition, subtraction, multiplication, modulus, and trigonometric calculations. It follows the principle of using trigonometric identities with minimal extra operations to perform various tasks.

2 CalConverter Features

CalConverter provides the following features:

- Addition, Subtraction, Multiplication, and Modulus calculations.

- Trigonometric calculations, utilizing trigonometric identities for efficiency.

3 Base Converter

The second application in this project is the Base Converter. In digital systems, data is often stored in binary, and addresses are represented in hexadecimal. Therefore, there's a need to convert decimal values into various base representations. The Base Converter can convert a value from one base to another, supporting a minimum base of 2 and a maximum base of 36.

4 Conclusion

This mini project combines a powerful calculator, CalConverter, with a versatile Base Converter. These tools are essential for various computer science and digital systems applications.