CalConverter: A Mini Project

Naziya Bano

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0.1 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.

0.2 CalConverter Features

CalConverter provides the following features:

- Addition, Subtraction, Multiplication, and Modulus calculations.

- Trigonometric calculations, utilizing trigonometric identities for efficiency.

- Trigonometric calculations and other complex operation can only be done one at a time.
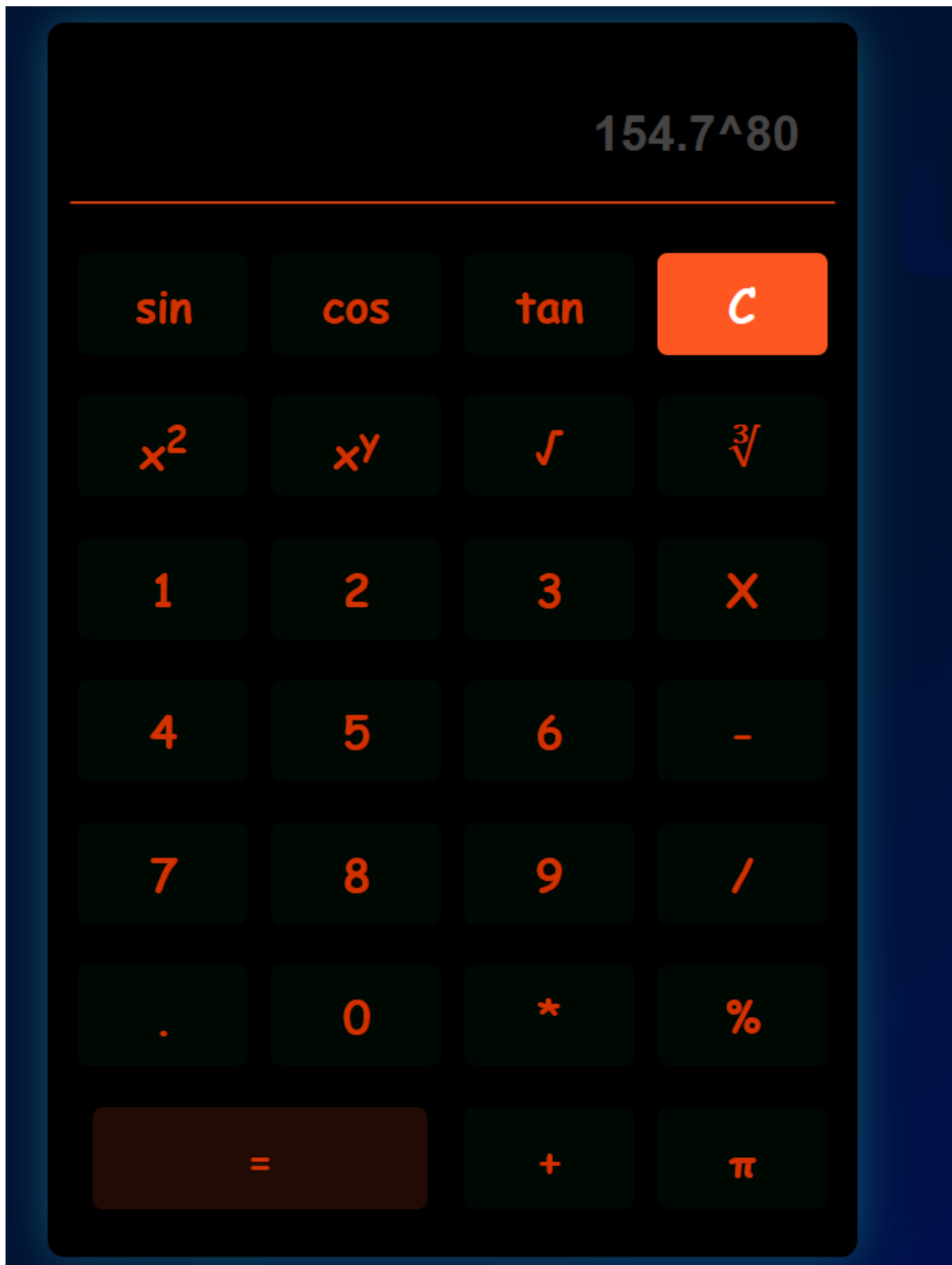
0.3 Base Converter

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.

0.4 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.

0.5 Output

154.7^80

sin	cos	tan	C
x^2	x^y	$\sqrt{}$	$\sqrt[3]{}$
1	2	3	X
4	5	6	-
7	8	9	/
.	0	*	%
=		+	π

1.44286299973653794e+175

Digital Base Converter

From Base:

13

To Base:

8

Number to convert

1ab421

Convert

Result:

2463455