

Basic Calculator

Basic Calculator



October 31, 2025

Canine-Table



POSIX Nexus serves as a comprehensive cross-language reference hub that explores the implementation and behavior of POSIX-compliant functionality across a diverse set of programming environments. Built atop the foundational IEEE Portable Operating System Interface (POSIX) standards, this project emphasizes compatibility, portability, and interoperability between operating systems.

Abstract

Contents

I Math Terms

II



I Math Terms

Standard Number Sets

Symbol	Definition
\mathbb{Z}	The set of all integers: $\{\dots, -2, -1, 0, 1, 2, \dots\}$. Includes negative, zero, and positive whole numbers.
\mathbb{Q}	The set of all rational numbers: numbers expressible as $\frac{p}{q}$ where $p \in \mathbb{Z}$, $q \in \mathbb{Z} \setminus \{0\}$.
\mathbb{R}	The set of all real numbers: includes both rational and irrational numbers. Forms a complete ordered field.
\mathbb{C}	The set of all complex numbers: numbers of the form $a + bi$ where $a, b \in \mathbb{R}$, and $i^2 = -1$.