This document provides an overview of the functions available in the TinyCalculator application, including their purposes and functionalities. The TinyCalculator is a simple calculator program that can perform various arithmetic and trigonometric operations.

Functions

**parseAddition**

Prompts the user to enter two floating-point numbers and outputs their sum.

**parseSubtraction**

Prompts the user to enter two floating-point numbers and outputs the result of subtracting the second number from the first.

**parseMultiplication**

Prompts the user to enter two floating-point numbers and outputs their product.

**parseDivision**

Prompts the user to enter two floating-point numbers and outputs the result of dividing the first number by the second. If the second number is zero, the function will not perform the division.

**parseExponentiation**

Prompts the user to enter a floating-point base and an integer exponent, then outputs the result of raising the base to the power of the exponent.

**parseSquareRoot**

Prompts the user to enter a floating-point number and outputs its square root.

**parseSine**

Prompts the user to enter a floating-point number (interpreted as an angle in radians) and outputs its sine value.

**parseCosine**

Prompts the user to enter a floating-point number (interpreted as an angle in radians) and outputs its cosine value.

**parseTangent**

Prompts the user to enter a floating-point number (interpreted as an angle in radians) and outputs its tangent value.

**help**

Displays a help message outlining the available commands and their descriptions.

**error**

Displays an error message when the user enters an invalid command.

Main Function

**main**

The entry point of the program. It displays a menu, prompts the user to enter a command, and calls the appropriate function based on the user's input. The loop continues until the user chooses to exit the program.

Usage

1. Run the program.
2. Follow the prompts to enter the desired command.
3. Enter the required values when prompted.
4. View the result of the calculation.
5. Enter 'h' for help if needed.
6. Enter 'e' to exit the program.