Python Console Calculator –B.Bhargavi

# Overview

This is a simple Python calculator that runs in the terminal and performs basic arithmetic operations. It is designed for interactive use and includes optional features like logging and history storage using SQLite.

# Features

- Add, Subtract, Multiply, Divide  
- Handles invalid inputs and division by zero  
- Optionally logs operations to calc\_log.txt  
- Optionally stores calculation history in a SQLite database history.db

# Example Usage

Select operation:  
1. Add  
2. Subtract  
3. Multiply  
4. Divide  
5. Exit  
Enter choice (1/2/3/4/5): 1  
Enter first number: 10  
Enter second number: 5  
Result: 15

# Logs and History

- All operations are logged in calc\_log.txt with timestamps.  
- History is saved in SQLite database (history.db) as:  
 - operation (e.g., '5 + 3')  
 - result (e.g., 8)

# Technologies Used

- Python 3.x  
- logging  
- sqlite3

# Error Handling

- Detects non-numeric inputs  
- Prevents division by zero  
- Handles unexpected user choices

# Outputs







