- **1. Introduction** The Simple Calculator project is a Python-based application designed to perform basic arithmetic operations: addition, subtraction, multiplication, and division. Additionally, it includes file handling capabilities to store and retrieve past calculation results.

  2. Objectives

  - Develop a user-friendly calculator.
  - Implement file handling to store calculation history.
  - Ensure error handling for invalid inputs and division by zero.
  - Provide an option to view past results. **3. Features**
  - Perform basic arithmetic operations.
  - Store calculation results in a text file.
  - Retrieve and display past calculations.
  - Handle invalid user inputs gracefully.
  - Loop for continuous use until the user chooses to exit. **4. Implementation Details**and handle inputs dynamically.

5. Technologies Used

- Python (Standard Library)
- File Handling (Reading/Writing to text files)

6. Challenges and Solutions

- **Invalid Input Handling:** Used try-except blocks to catch input errors.
- **Division by Zero:** Implemented a check to prevent division by zero.
- **File Not Found Error:** Ensured the application gracefully handles missing files when retrieving past results.

7. Conclusion The Simple Calculator project successfully demonstrates the integration of basic arithmetic operations with file handling. It enhances user experience by maintaining a record of calculations, making it more useful for repeated usage.