**Numerical Operations Library**

User will have an interactive interface where he/she’ll be able to do the following set of works-

1. Prime Numbers

-Check if a number is prime

-Prime generation

1. Prime Factorization
2. Modular Arithmetic
3. Digit Manipulations

-Digit Summation

-Digit Reversal

-Palindrome Check

1. Divisors
2. Greatest Common Divisor (GCD)
3. Least Common Multiple (LCM)
4. Fibonacci Sequences

Specialization (Matrix Manipulation)-

1. Matrix Addition
2. Matrix Multiplication
3. Matrix Determinant
4. Matrix Inversion
5. Matrix Power Calculation
6. Matrix Transposition
7. Matrix eigenvalues and eigenvectors
8. Check Matrix Types
9. Matrix Rank

Implemented Topics:

1. Header file Handling
2. Array Manipulation
3. Dynamic Memory Allocation
4. User Input Handling
5. Error Handling
6. Random Number Generation
7. Various mathematical functions
8. Number theory