**ASSIGNMENT NO: 4**

**AIM:** Write a menu driven program to perform basic operations such as addition and subtraction of two matrices.

**OBJECTIVE:**

1. To learn and understand arrays in C.
2. To learn and understand two dimensional arrays and operation on it.

**THEORY:**

Arrays- what is array, Types of array, how to declare one dimension array?

Two dimensional array - declaration and initialization, representation.

**Platform:** 64 –bit Open source Linux

**Technology:** Open Source Editor ( gedit).

# ALGORITHM :

# FLOWCHART :

**INPUT: -** Enter first matrix elements: 1 2 3 1 2 3

Enter second matrix elements: 1 2 3 1 2 3

**OUTPUT:** Addition of two matrices is:

246

246

**CONCLUSION:** Thus implemented the program to perform addition and subtraction of two matrices.

**FAQ:**

1. What are different types of arrays? How do we define them?
2. How are arrays initialized and processed?
3. How are the elements accessed in 2D arrays?