PRACTICAL NO : 1(A)

Practical Title: Perform different operations on Matrix.

Aim : Write a Python program to compute following computation on matrix:
- a) Addition of two matrices
- b) Subtraction of two matrices
- c) Multiplication of two matrices
- d) Transpose of a matrix

Pre-requisite:
- • Knowledge of representing matrix in Python
- • Knowledge of different operations that can be performed on matrix

Objectives:
- • Compute the transpose of matrix
- • Perform addition , subtraction and multiplication of two matrices.

Input:
- • Number of rows and columns of two matrices
- • Elements of both the matrices

Outcome:
- • Transpose of a matrix
- • Result of addition , subtraction and multiplication of both matrice

Theory:

- 2-dimension array –
write theory of 2-D array

- MatrixOperations (explain each operation in detail with example)
    - Concept of matrix
    - Addition
    - Substraction
    - Multiplication
    - Transpose of matrix

Algorithm:

- Write down algorithm for matrix operations

Flowchart :

- Draw flowchart for above algorithm

Conclusion:

By this way, we can perform various operations on matrix successfully.

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3	4	3	10	