

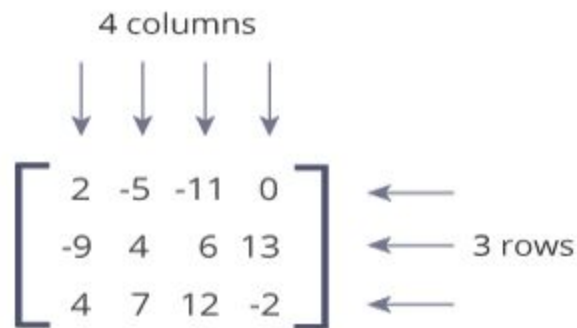
# Computer Science Principles and Programming - 1

## Project - Matrix Operations

A matrix is a two-dimensional data structure where numbers are arranged into rows and columns.

For example:

Given below is a matrix with 4 columns and 3 rows



You are required to perform the following matrix operations :

**Addition:** Given two matrixes, perform the addition operation between them.

**Sustraction:** Given two matrixes, perform the subtraction operation between them.

**Divide:** Given two matrixes, perform the divide operation between them.

**Multiplication:** Given two matrixes, perform the multiplication operation between them.

**Square root:** Perform square root of each element of the matrix.

**Transpose:** It performs transpose of the specified matrix.