

# ARRAYS

## Assignment 1B

### Question 1 (Multi-dimensional Arrays)

The marks of five students in three subjects are as follows: Maths 71, 75, 67, 73, 45; Physics 77, 65, 56, 78, 58; and Chemistry 63, 57, 79, 88, 33.

- i) Declare and initialize an array called **Marks** that will store all the marks of the students.
- ii) Write down a statement that outputs the first and last elements of array **Marks**.
- iii) Write a C program that will be used to calculate and output the average marks scored in:
  - a. Physics (Use a for loop in your computation)
  - b. Maths (Use a while loop in your computation)
  - c. Chemistry (Use a do-while loop in your computation)
- iv) Write down a C program that will be used to compute the overall average marks in all these subjects for the five students. (Use nested for loops)
- v) Write down a program that will compute the sum of only even numbers in array **Marks**.