Course: Semester:1ˢᵗ term 2025/2026	Lecturers: Dr. Nehal El Azaly
	Dr. Ghada Fathy

Programming Essentials in C++
Tutorial 5
Sheet (5) One D array

1) Write a C++ program to:

- Declare an array of size 5 called num.
- Initialize it with values {2, 4, 6, 8, 10}.
- Display all elements using a for loop.

2) Write a program that:

- Declares an array of 5 integers.
- Takes input from the user to fill the array.
- Prints each element on the same line separated by spaces.

3) Write a C++ program that:

- Declares an array of 5 numbers entered by the user.
- Calculates and displays the **sum** of all elements.

4) Write a C++ program that counts **how many even and odd numbers** are stored in a 1D array of 8 elements.

5) Write a program that:

- Declares two arrays A and B, each of size 5.
- Reads values for both arrays from the user.
- Creates a third array C that stores the **sum of corresponding elements** of A and B.
- Displays the resulting array C.

Good Luck