Course: Semester:1ˢᵗ term 2025/2026	Lecturers: Dr. Nehal El Azaly Dr. Ghada Fathy
Programming Essentials in C++ **Tutorial 3** **Sheet (3)**	

1) Using C++ language code, declare an integer variable x = 5 and print:
   a. The value of x++
   b. The value of ++x
   c. The final value of x after both operations.

2) Write a C++ code snippet that:
   a. Declares two variables m = 6 and n = 2.
   b. Increments m using the postfix operator.
   c. Decrements n using the prefix operator.
   d. Displays both values after the operations.

3) Write a C++ program that asks the user to enter two numbers and displays their **sum, difference, product, quotient, and remainder**.
   Use the arithmetic operators +, −, *, /, and %.

4) Write a C++ Program, that asks the user to input an integer n.
   The program should:
   a. Print whether n is positive and even.
   b. Print whether n is negative or zero.
   c. Print whether n is not equal to 10.
   d. Use logical operators &&, ||, and ! in your conditions.

Good Luck