Pharos University in Alexandria Faculty of Computer Science & **Artificial Intelligence** Level 1 – Semester 1 – Fall 2021/2022



Programming 1 Course Code: CS 103 Lecturer: Dr. Sahar Ghanem TA: Eng. Esraa Abdel Hamid Eng. Abdel Rahman Eng. Saeed Zalat

Lab (6) Week 9

- 1. Write a Java program that calculates two-third (2/3) of every element of an initialized array of **integers** (array1) and **copy** the results to another array (array2).
- 2. Write a Java program that initializes an array of 6 grades. Then uses a switch statement to display the corresponding score range.

Grades vary between A and F

A = 100 - 90

B = 89 - 80 C = 79 - 70 D = 69 - 60 F = 59 - 0

3. Write a Java Program to exceed given 5 students marks by the maximum possible increase.

Example 1:

• Given exam scores (out of 100), such as:

90 66 82 33

Answer: maximum possible increase= 100 – max student mark

= 100 - 90 = 10 marks added to all students

Output:

92 92 100 43 76

Assignment:

Draw flowcharts for Questions [9-10-11-12-13-14] Sheet 1. Then, convert them to Java Complete Programs.