



KINGDOM OF SAUDI ARABIA | JAZAN UNIVERSITY
Department of Computer Science
COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

ASSIGNMENT 2

Academic Year	Spring 2022	Semester	Second Semester
Course	Programming # 2		
Type of Assignment	Individual	Marks	10
Date of Announcement	07/05/2022	Deadline	14/05/2022

ASSIGNMENT 2

Assignment Instructions:

- Answer all Task
- **Avoid Plagiarism. Any cheating will result in zero.**
- Answers should be submitted as Java files
- **The last date** of submission is **Saturday 14/05/2022** No assignments will be accepted later.
- Submit through **Blackboard**.



ASSIGNMENT 2

Assignment Tasks

In a Java program

- ❖ Create a class named "**Device**"

(2 marks)

The class must have the following attributes:

- deviceID
- deviceName
- devicePrice

This class must have **two constructors, Getter Methods, and Setter Methods.**

You can add any other method you want.

- ❖ Create the class named **TestDevice** with the main method to test your **Device** class.

- In the main method, you need to implement the following:
 - Instantiate more than 3 objects from the class **Device**. (1 mark)
 - Create a normal array and copy the objects you created into the array. (1 mark)
- Implement a method that takes the array as an argument and copies its elements into an **ArrayList**.
Then, call the method to test it and print all elements data from the **ArrayList** (3 marks)
- Implement a method named TwoDArray (3 marks)
 - In this method you should create a two dimensional array that stores 8 String objects.
 - The method must print these strings in a form of rows and columns using loops.
 - Call the method to test it.