

<b>King Saud University</b> <b>College of Computer and Information Sciences</b> <b>Computer Science Department</b>	
<b>CSC 111</b> <b>Introduction to Programming with Java</b>	<b>First Semester</b> <b>1440-1441</b>

### Self-Check Sheet

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**Q1 ) Write a program that prompts the student to enter his/her first name, ID and GPA. Then, the program should output this information in the following format:**

- Display the name in 7 column width and it should be left justified.
- Display the ID in 13 column width and it should be right justified.
- Display the GPA in 5 column width and it should be right justified with one decimal place.

**Sample Run:**

```
Enter the name: Arwa

Enter the ID: 435456372

Enter the GPA: 4.534

Arwa          453456372  4.5
```

**Q2) Write a Java program that reads a number of patients and then let the employee enter their names and ages and count them. The program should check if the age of the patient is above 30 years old, otherwise, the patient should not be counted. Your program should display total number of patient above the age 30.**

**Sample Run:**

```
Enter number of patients: 2
Patient #1
Enter patient's Name: Khalid Saleh
Enter patient's Age: 30
Patient #2
Enter patient's Name: Rashed Othman
Enter patient's Age: 50
Total number of patients above age 30 is 1
```

```

import java.util.Scanner;
public class self_check2 {
    public static Scanner input = new Scanner(System.in);
    public static void main(String args[]) {
        // first question
        System.out.println("enter your name -->");
        String name = input.nextLine();
        System.out.println("enter your ID -->");
        String ID = input.next();
        System.out.println("enter your GPA -->");
        double GPA = input.nextDouble();
        System.out.printf("%-7s%13s%7.1f", name, ID, GPA);
        // second question
        int age_above_30 = 0, i, patient_age; String patient_name;
        System.out.println("\nenter the number of patients -->");
        int num = input.nextInt();
        input.nextLine();
        for(i=1; i<=num; i++) {
            System.out.println("enter the name of the patient -->");
            patient_name = input.nextLine();
            System.out.println("enter the age of the patient -->");
            patient_age = input.nextInt();
            input.nextLine();
            if (patient_age > 30)
                age_above_30++;
        }
        System.out.println("the number of patients above 30 is "+age_above_30);
    }
}

```