Exercise 1 : (With two different methods if ...else if ladder, and sequential if)

In a company, the basic salary of an employee is 30 000 da. A bonus is granted to employees according to the following criteria:

- If his age is > 45 years old, then the bonus is 6 000 da
- If he is a team leader and his seniority is > 3 years, then the bonus is 10 000 da.
- If his seniority is > 10 years, then the bonus is 5 000 da

Write a program in C that reads for an employee his age, his seniority (in number of years), and whether he is a team leader or not, then displays his salary knowing that:

Employee salary = base salary + bonus.

Note: an employee can only have one bonus (the largest possible).

Exercise 2 :

Write a program in C that allows you to:

1) Read the **day**, **month**, and **year** of a given date. (We assume that the date is correct).

2) Calculate and display **the date after 1 day** using the "**switch**" statement.

Example: if day=**30**, month=**4**, and year=**2000.** Hence: the date after 1 day is: 1/5/2000

Reminder :

Months 1, 3, 5, 7, 8, 10, and 12: have **31** days

Months 4, 6, 9, and 11: have **30** days

For month 2, we assume that it has **29** days if the year is a multiple of 4, and **28** days otherwise.

Exercise 3 : (homework)

A student takes three exams. The student is declared **"*admitted*"** if:

- he has at least 9 points in each exam, or
- the average of the three exams is at least 10 and the student has no grade below 7.

If both criteria are not met, the student is declared **"adjourned"**.

Write a program that reads a student's three exam grades (all grades must be between 0 and 20) and then displays whether he is **"*admitted*"** or **"*adjourned*"** according to the above rules.