

152112011 Computer Programming LAB – A

QUIZ 5

Due to: 31 May 2022, 11:50

Objectives:

- C++ Programming Structs, DMA, Arrays, Strings
- C++ File name is **StudentID_Quiz5_qNO.cpp**
- Note: Write comments in your code for explaining steps.
- Note: Pay attention to the indentations in your code.
- Everyone should do it **alone**.
- Please do not cheat.

Question 1: There are **x** number of teachers in a school. It is necessary to know the **speciality, name, surname, and name-surname information of the students for whom they are responsible** of each teacher. Each teacher must responsible 6 students. For this, it is requested to create a struct structure in which all the above-given features of the product as much as the number of "**x**" to be taken from the user. Then, write to screen to information for all product in order. Within the scope of quiz, **struct** and **DMA (Dynamic Memory Allocation)** structure should be used together.

Sample Output:

```
Enter the how many teacher in the school:2
1. teacher:
Enter the name:xx
Enter the surname:xs
Enter the speciality:xxx
Enter the students 1. name surname:aa bb
Enter the students 2. name surname:cc dd
Enter the students 3. name surname:ee ff
Enter the students 4. name surname:gg hh
Enter the students 5. name surname:tt yy
Enter the students 6. name surname:uu oo
2. teacher:
Enter the name:yy
Enter the surname:ys
Enter the speciality:yyy
Enter the students 1. name surname:kk ll
Enter the students 2. name surname:ll oo
Enter the students 3. name surname:mm nn
Enter the students 4. name surname:bb ff
Enter the students 5. name surname:aa dd
Enter the students 6. name surname:ee hh
1. Teacher Name: xx, Surname: xs, Speciality: xxx
1. student:aa bb
2. student:cc dd
3. student:ee ff
4. student:gg hh
5. student:tt yy
6. student:uu oo
2. Teacher Name: yy, Surname: ys, Speciality: yyy
1. student:kk ll
2. student:ll oo
3. student:mm nn
4. student:bb ff
5. student:aa dd
6. student:ee hh
```