**An exam program**

Students will be asked the following questions on the exam:

1. Write about arithmetical, logical, relational and bitwise operations in C#. Give examples.
2. Describe single-dimensional, multidimensional, and jagged arrays in C#. Give examples.
3. Describe conditional and loops statement in C#. Give examples.
4. Describe the concepts and paradigms of the object-oriented programming.
5. Highlight relations between classes and objects.
6. Create classes with three types of scope of view of their members.
7. Describe the difference between fields and properties.
8. Characterize static classes. Highlight their role in the object-oriented programming
9. Write definitions of encapsulation and inheritance. Give examples.
10. Write definitions of abstraction and polymorphism. Give examples.
11. Create classes with different methods. Describe overloaded methods.
12. Describe abstract classes and highlight their role in the object-oriented programming.
13. Describe creation of constructors and destructors in classes.
14. Write about sealed and partial classes. Give examples.
15. Characterize classes, structs and enumerators.
16. Write about collections in C#. Give examples of Arrays, ArrayLists, Stacks and Queues.
17. Describe collections in C#. Give examples of Hash tables and Sorted lists.
18. Describe creation of Windows forms applications.
19. Write about Windows forms. Describe creation of Paint and Menu applications,
20. Write about Windows forms. Describe creation of the calculator and notepad applications.