

Comments for Programming Tasks:

1. Practically, you can use any of the programming languages.
2. File “Pascal_Introduction.pdf” provides you with:
 - general comments and structure of the program;
 - syntactic constructions used in Pascal;
 - common functions and data types used in Pascal;
 - methods for debugging the program using tools provided by *Integrated Development Environment* (IDE)
 - some theoretical hints for sorting methods.
3. Solve Sets according to their order.
4. Reporting: fill in a report after finishing every set. Report should include: list of the problems you have solved, text of the programs and results of the programs when they are executed.
5. Consultations: feel free to ask any specific questions.

Char Data Type and String Data Type:

1. Sets F1 and F2: please, solve all the problems, as they help you to learn and understand the syntax of the programming language.
2. Set F3: solve those problems and as many as you think you can: the problems are of an advanced level and the purpose is development of your personal programming skills.

1D Arrays Problems:

1. Set C1: Solve all the problems, use functions and/or procedures.
2. Set C2: Solve 2.1-2.3.
3. Solve an advanced problem 2.4.

2D Arrays Problems:

1. Set D.1: solve all the problems; basically, here you develop functions and procedures which will help you with other problems.
2. Set D.2-1 – training tasks, solve any 5 of them.
3. Set D.2-2 – solve problems 1 – 6.
4. Set D.2-2 - address advanced problems 7* - 9*.
5. Set D.2-3 – training tasks, solve any 4 of them.
6. Set D.3-1 – is step-by-step recommendations for the matrix method (D.3-2 #1)
7. Set D.3-2 – Write programs which help you to solve systems of linear equations.
8. Set D.4. Implement the LSM algorithm.