


# First semester Language project

## Brief description

one of the following games (console terminal) must be selected for its implementation in the  programming language :

1. snake game
2. who wants to be a millionaire game
3. Sudoku game
4. guess a word game

## Requirements

1. **Original content** - you can get inspiration from others people code on internet, however write most of the code by yourself.
2. **A command line interface** - all the projects (exception - the embedded systems project) must have an user interface that allows the user interact with the program and get all the functionalities.
3. **Working functionality** - all the functionalities should work according to the goals of the project

4. **Structured program** - divide the project in chunks of code using as main criteria the functionalities of the project.
5. **Defense** - all the items in the written report must be explained to the teacher (online or presencial).
6. **Deadline** - sent everything before 20.12.2024

## Report

The report is a pdf file which must contain:

1. Information page
  - Project name
  - Students full names
  - Academic group
2. Content page
3. Project goals
  - Main goal
  - Secondary goals
4. Problem or project formulation
5. Solution formulation
  - solving algorithm formulation
  - diagram of the solving algorithm
6. Code implementation
  - code explanation by functionality
7. Results
  - code execution example
  - graphical results
8. Conclusions

# Final product

The next products must be done, working and sent before the deadline

1. A written report in pdf format.
2. All the `python` code used for the project.