



## ROBOTICS – Python Development – Lab 9 - Homework

1. We need to implement an application that reads employee information from console using the following data fields:

- a. first\_name: string, maximum 25 characters, non-empty;
- b. last\_name: string, maximum 25 characters, non-empty;
- c. years\_of\_employment: integer, strictly positive, non-empty;
- d. is\_employed: boolean, non-empty.

Please implement the following:

- a. Read a list of employees from console performing the needed data validation, use dictionaries having as keys the field names. After each record that is read, ask the user if he wants to continue and read another record if so;
- b. Save the read records into a CSV file.

Ensure that the implementation follows the following rules:

- a. Implement the data validation using exceptions and the exception handling mechanism;
- b. Log the operations of the application on the **operations.log** file (do not log on the console), allowing the DEBUG logging level and upwards, as follows:
  - a. Whenever an invalid data was read, log the read value along with field name - using the WARNING level;
  - b. Whenever a person record was read successfully, log the person record value - using the INFO level;
  - c. Once the persons records were saved into CSV, log the number of records saved in the CSV files – using the DEBUG level.