Programming Technologies - Third Practical Work

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Introduction

As third practical work the proposal is to implement a prolog program to take the specification of a class diagram and convert it into mermaid language. The idea is to receive a valid specification (defined with prolog predicates based on ClassDG) and generate a diagram of that specification built in mermaid.

This work (individual or in group of two students) must be delivered till 17th May 2024 uploading a .pl file with comments.

Define prolog predicates to:

1. insert the specification of a class, a list of attributes, a list of operations and a set of relations between classes;

2. validate each relation specification verifying if the classes involved are already defined;

3. count the number of attributes of a class;

4. generate mermaid code in order to visualize the graph representing the class diagram.