

Exercises, SDJ1

Exercise: Person hierarchy

- a) Use Astah, pen and paper, Paint or similar to write/draw an inheritance hierarchy for classes `Person`, `Student`, `Employee`, `Teacher` and `Secretary`. Use `Person` as the superclass of the hierarchy. Make the hierarchy as deep (i.e., as many levels) as possible. Hint: The private attributes / instance variables of `Person` could be the name and social security number.
- b) Create a Module in IntelliJ and write skeleton classes for the hierarchy (i.e. for each class: instance variables and methods without functionality).
- c) Implement constructors and methods `toString()` in each class in which all information of the given class type is returned as a string.
- d) Write a program (with a main method) in which you instantiates objects of your classes and outputs each object's data using methods `toString` implemented in each class.