

Programming Lab III, WS 2016/2017

Christmas Handout

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Additional tasks for Christmas.

Has to be completed finally at 2016-12-20, 23.59pm.

The exam office needs a list of all participants in Programming Lab III.

Here's the list of topics you have to complete:

- Create a class “Person” with both String Attributes “last name” and “first name”. Create a subclass “student” which additionally has an integer “Matrikelnummer” and “study program”.
 - Create a new class as queue (with push and pop functions) which can handle “Person”.
Hint: Extend from interface iterable.
 - Create some instances of students and put them in your newly created list. Why don't you need to cast them? Comment and explain in your source code!
 - Write some JUnit Tests that try to (1) put objects of “students” in a persons-queue, (2) put objects of “persons” in a students-queue and (3) in a persons-queue. Explain in your source code what is possible and why.
 - Allow the user to save the sorted list (by Matrikelnummer) as file. Commit your output to SVN.
- *Please make sure that you commit code that is either self-explaining or has comments to explain your code. We expect at least a one line comment per class and function.*

Good luck and have fun!