

Grade School in Scala

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Grade School

Write a small archiving program that stores students' names along with the grade that they are in.

In the end, you should be able to:

- Add a student's name to the roster for a grade
 - "Add Jim to grade 2."
 - "OK."
- Get a list of all students enrolled in a grade
 - "Which students are in grade 2?"
 - "We've only got Jim just now."
- Get a sorted list of all students in all grades. Grades should sort as 1, 2, 3, etc., and students within a grade should be sorted alphabetically by name.
 - "Who all is enrolled in school right now?"
 - "Grade 1: Anna, Barb, and Charlie. Grade 2: Alex, Peter, and Zoe. Grade 3..."

Note that all our students only have one name. (It's a small town, what do you want?)

For bonus points

Did you get the tests passing and the code clean? If you want to, these are some additional things you could try:

- If you're working in a language with mutable data structures and your implementation allows outside code to mutate the school's internal DB directly, see if you can prevent this. Feel free to introduce additional tests.

Then please share your thoughts in a comment on the submission. Did this experiment make the code better? Worse? Did you learn anything from it?

The Scala exercises assume an SBT project scheme. The exercise solution source should be placed within the exercise directory/src/main/scala. The exercise unit tests can be found within the exercise directory/src/test/scala.

To run the tests simply run the command `sbt test` in the exercise directory.

For more detailed info about the Scala track see the help page (<http://help.exercism.io/getting-started-with-scala.html>).

Source

A pairing session with Phil Battos at gSchool view source (<http://gschool.it>)



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