

Discussion class of Compilation, no.1

Computer science track - Specialization: Software

Regular expressions for antlr

The goal of this discussion class is to practise the `antlr` conventions for regular expressions. To check your regular expressions, don't test them: use logical reasoning.

► **Exercise 1. *Lines***

Define a regular expression for any line in a file, so that each line is a separate token.

► **Exercise 2. *Whitespace-delimited tokens***

Define a regular expression for tokens delimited by whitespace (space, newline, tab).

► **Exercise 3. *Homogeneous tokens***

Define a regular expression so that each token contains only characters of the same type. Assume there are 4 types of characters:

- *letters*,
- *digits*,
- *whitespace*,
- *others*.

You can assume your regular expression will be used on the `error.log` file.