

1 Description

During this milestone, you will develop the first component of a compiler which is the lexical analyzer. Jlex, java-based tool discussed in the labs, will be used to implement this milestone. Your task is to build a lexical analyzer for the fragment of python covered in the provided input file.

2 Tokenization

The output tokens should recognize:

1. Arithmetic and Boolean Operators
2. Reserved keywords
3. Special Characters, such as *, - , : ,...etc
4. Any other terminal used in the following python grammar.

Kindly note that these generated tokens will be used during milestone 2, in the parsing phase.

3 Submission

You will submit the lexer file only on Monday 9th of April 2018 at 23:59 on the met website.

P.S: it is your own responsibility to check that your submission was done correctly.

P.P.S: Late submissions are not accepted.