-This is a guided user manual on what you need to do in order to run it (needed downloads, assumptions about location of files, format of input and output)How to run the lexer, including any expectation about the location of test files.

1-Our lexer is implemented using python therefore would advise to open it in Visual Studio Code:

A picture containing company name

Description automatically generated

2-The folder that needs to be opened is the one named “testfolder “:

Containing: -lexer code

-Test suite: test suit is the test file testing all lexemes provided by our language

-It can be replaced by any test without touching the main code, but by simply replacing the file with another, the only condition it it has to follow the form \*.txt

Graphical user interface, text, application

Description automatically generated

3- the third step is to copy the path of the folder (test folder) and past it into the directory\_path.



4- run the code and it will result on 2 outputs:

1-one is a screen output providing you with each lexeme and its respective information except its Token.

Shape

Description automatically generated with low confidence

2-the second output is a output file named “output\_token” were there is more information including token

This file can be found in the OS(else a quick search with the file name will reveal its location)

Graphical user interface, application

Description automatically generated with medium confidence

Graphical user interface, text

Description automatically generated