COS341: Semester Project

User Manual

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Usage

We advise you to run this program in a Linux environment (we used Ubuntu). The program is in a jar executable form already, thus in order to use it you can run the command:

- java –jar SPLCompiler.jar <input_file.txt> *(where <input_file.txt> is the name of your testing file)*

Alternatively, you can build and run by doing the following:

- chmod +x build.sh (make executable if need be)
- ./build.sh (to build and compile the program)
- java –cp "out:lib/*" Main <input_file.txt> *(where <input_file.txt> is the name of your testing file)*

Important Information

- Ensure that your testing file is in the root of the program (same directory as build.sh)
- Inside src/, you will find Main.java along with all the various files that carry out the compiling process
- Inside lib/, you will find our CUP libraries which aided in parser generation
- Inside out/, you will find the .class files and other objects.

NB!

- Intermediate code is written out to <input_file>_ic.html.
- BASIC code is written out to BASIC.txt.
- We used https://www.calormen.com/jsbasic to run our basic code.
- The online interpreter can be a little bit strict with naming conventions so refrain from using names such as "total", instead you can use something like "final". Similarly, names such as "num1" and "num2" or also problematic so instead, you can use "first" and "second".