

# Regan O'Donnell

## COP4020 – Project 2 – var & rpn notation generator

### How to Use The Parser:

- 1.) Open the project files within a linux shell
- 2.) all you have to do is type, `./run` and it should run everything for all 8 input files
- 3.) `RPN-Notation.txt` is where the RPN generator stores the post-fix notation code. The program will append to that file, so multiple runs will just generate the same thing on top of itself.

### Explanation of Error Messages:

I tried to make error messages pretty self explanatory but here are some examples.

Running with a2:

Error: Identifier ends with underscore on Line: 2 Identifier: a\_

The user is being told that for the input file, “a2”, a variable ends with an underscore, which is not allowed.

Running with a6:

Error: Identifier not followed by a valid operator Line: 7 Identifier: b

Error: Identifier, "a\_sdf" was not declared with "var" on line: 5

...

The user is being told that for the input file, “a6”, a variable is not proceeded with something valid. It's expecting an operator like “+, -, /, \*” but instead there is a parentheses. Also, there are many variables not declared with “var” and flags all of them.