

Setup and Compilation

1. Download and unzip the submission from eLearning on a Linux machine.
2. The submission includes:
 - hashTable.c
 - hashTable.h
 - symbolTable.c
 - symbolTable.h
 - parser.c
 - parser.h
 - lexer.c
 - lexer.h
 - InputFiles (files named a1.in - a8.in)
 - makefile
 - run (a bash script to compile and run the program with each of the input files)
3. **Environment:** This program has been tested on the uwf ssh server and will run there.
4. **Compilation:** This program includes a makefile. To compile the program without executing tests, run *make main* from a linux terminal. The program will produce an executable named *./main*

Running the Program

This program includes a bash script named *run* to compile and run the program with the test inputs. This can be achieved by running *./run* in a linux terminal. **Before you can run this script, you must tell the computer it is allowed to run as an executable by running the command: `chmod +x run`.**

No user input is required. All tests will be executed automatically.

Output

All output will go to the console. Output will be similar to this:

```
=====
                        Running parser on file a1...
-----
Success!
R0 = b
a = R0
R0 = b
R1 = 2
R0 = R0 + R1
a = R0
```

*****[b2+]*****

printing all identifiers...

Identifiers: [a, b,]

=====

Running parser on file a2...

Failed! Invalid file.

Error:Cannot reference id: b on line 3 col 7 without declaring it first.