Name: Kaumil Patel

UCID: 30088096

Email: kaumil.patel@ucalgary.ca

CPSC Gitlab: https://gitlab.cpsc.ucalgary.ca/kaumil.patel/cpsc-411

Self Assessment: 6/8

Feedback:

I wanted to know if could lower the amount code of code I have in the semantic checker file.

Evidence:

The underling ast structure matches the ast generated using the reference compiler. But I need to format my printing function to display all the new information added.

1. Code qualities.
   o Each code block has a comment explaining what it does. To make it simpler to read, the code is also divided into sections.
   o Depending on its intended use, the output is correctly sent to either stderr or stdout.
   o I have verified that the code passes the provided tests as well as my own tests to show that it is compliant and error-free. The results mostly line up with the reference parser.
   o To make the implementation simpler, I am using flex and bison.
   o In order to make the code modular and easily extendable, it is divided into functions and objects.
   o Compilation output:
      1. kaumil.patel@csx2:~/cpsc 411$ make
      2. flex --c++ -o scanner.cc scanner.l
      3. bison parser.yy -o parser.cc -Wall
      4. g++ scanner.cc parser.cc main.cpp -o golf -Wall -Wextra
      5. kaumil.patel@csx2:~/cpsc 411$