

Project2

1. Introduction

In this project, we finish the `semantic` analysis step

2. Project structure

- Makefile
- test : The test cases written by myself
- act.h : Define the type of tree node and some functions in act.c
- act.c : Achieve the functions that new a tree node and preorder-print tree
- syntax.y : Achieve grammatical analysis
- lex.l : Achieve lexical analysis
- semantic.c : Symbol and type check

3. Funtions

- Syntax parsing : add error check and print them out
- Symbol table: tranversing syntax tree and do the type check

4. test

1. Passed the basic test cases given by SA
2. Passed 10 test cases written by myself

Note: If there are more than one error and the latter errors are cased by the previous errors, i will only print the previous errors