Compiler Design Project 1 Description

The target of this project is to make a grammar file for ANTLR.

Approximately divided into several definition:

1. Data type: void, char, int , float, double

2. Declaratory suffix: [], () (e.g., a[10]

3. Pointer: *

4. Postfix expression: i++, i--, …etc.

5. Unary operator: +, -, *, /, ~, !, &

6. Assign operator: =, *=, /=, %=, +=, -=, <<=, >>=, &=, ^=, |=

7. Condition statement: if else

8. Iteration statement: while for do

9. Jump statement: continue, break, return

10. ID

11. Decimal Literal: 0, 10, 11, ……

12. Blank characters:' ', '\r', '\t', '\n'