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The C subset defined in this doc is based on ANSI C, But I removed user-defined data types and function declarations to make it more concise. (https://github.com/antlr/examples-v3/blob/master/java/C/C.g)

1. Keywords

The keywords mentioned in project requirements.

1. Data Types

Integer

1. Comment

Single line: start with //

Multiple line: start with /\* and end with \*/

1. Operators

Basic arithmetic operators: + - \* / %

1. Control Flows

If, If else, nested If else

1. Program Execution

The program consists of a main function and some printf function.

Printf function support zero or more arguments

1. Others

Some small type checking for debugging.