Compilers

CMPT 432

- Lab 4 -

Goals

Analyzing Grammars

Notes

There is a lot that careful analysis of a grammar can tell us in order to help us build a better compiler. Let's take a look, starting with First and Follow sets.

Resources

Crafting a Compiler

- Read chapters 4.5 and 5.9
- Do exercises 4.9 (First and Follow set) and 5.10 (dangling else parse trees)

Dragon

- Read chapters 4.1 and 4.4.2
- Do exercise 4.4.3 (First and Follow set)

Submitting

Commit a PDF of your work to your GitHub repository and I'll take a look at it.

$$Z \to d$$

$$Z \to X Y Z$$

$$Y \rightarrow \epsilon$$

$$X \rightarrow Y$$

$$Y \rightarrow c$$

$$X \rightarrow a$$

GRAMMAR 3.12.

	nullable	FIRST	FOLLOW
X	yes	ас	a c d
Y	yes	c	a c d
Z	no	a c d	

from Modern Compiler Implementation in Java by Andrew Appel