

Austin Boutin
Jake Petek
Compilers Report Draft

Introduction

Background

Methods and Discussion

Scanner

In order to construct our scanner we utilized the scanner generator ANTLR. We created a simple .g4 grammar file that contained rules for tokenizing keywords, string literals, identifiers, float literals, int literals, and operators, as well as rules for removing comments and whitespace. We then used a Java driver file to manage the reading of a file and printing tokens to an output file. We then created a shell script to run our driver on various inputs.

Parser

Symbol Table

Semantic Routines

Full-Fledged Compiler

Conclusion and Future Work