MiniJava Compiler (`mjc`)

Daniel Månsson
dmans@kth.se

Elvis Stansvik
stansvik@kth.se

XX May 2014

Abstract

Some abstract

Contents

1 Introduction

Some introduction to the project. [1]

2 Compiler Design

Some info about the compiler design.

2.1 Lexical Analysis and Parsing

Some info about lexical analysis / parsing.

2.2 Semantic Analysis

Some info about semantic analysis.

2.3 Pass Foo

Some info about pass foo.

3 Using the Compiler

3.1 Building

Some info about building the compiler.

3.2 Running

Some info about running the compiler.

```
usage: mjc <infile> [options]
 -S          output assembler code
 -o <arg>    output file
 -p          print abstract syntax tree
 -g          print abstract syntax tree in GraphViz format
 -s          print symbol table
 -h          show help message
```

3.3 Example

An example of invoking the compiler.

4 Future Improvements

Some notes about future improvements.

References

[1] Torbjörn Granlund and Andrew W. Appel. *Context-free grammar for Mini-java variant.* URL: `http://www.csc.kth.se/utbildning/kth/kurser/DD2488/komp14/project/grammar14v1.pdf`.