

JFlat Language Reference Manual

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1. INTRODUCTION

JFlat is a general purpose, class-based, object-oriented programming language. The principal is simplicity, pulling many themes of the language from Java. JFlat is a high level language utilizes LLVM IR to abstract away hardware implementation of code. Utilizing the LLVM as a backend allows for automatic garbage collection of variables as well.

JFlat is a strongly typed programming language, meaning that at compile time the language will be type-checked, thus preventing runtime errors of type.

This language reference manual is organized as follows:

- Chapter 2 Describes types, values, and variables, subdivided into primitive types and reference types.
- Chapter 3

2. TYPES

3. LEXICAL CONVENTIONS

4. PROGRAM SYNTAX

5. CLASSES

6. STANDARD LIBRARY CLASSES
