



Compilers

Cool Overview

- Classroom Object Oriented Language \equiv COOL

- Designed to be implementable in a short time

- Give a taste of implementation of modern

- Abstraction
- Static typing
- Reuse (inheritance)
- Memory management
- And more ...

- But many things are left out

[cool compilers \gg
cool programs]

- A complete compiler
 - Cool -> MIPS assembly language
- In 5 programming assignments (PAs)

- Write a Cool program

- Lexical analysis

- Parsing

- Semantic analysis ←

- Code generation

optimizations

plug compatible