

### Semester project

- Semester project is to write a complete compiler for COOL, the Classroom Object Oriented Language.
- COOL has the essential features of a realistic programming language, but is small and simple enough that it can be implemented in a few thousand lines of code.
- Students can implement it in either C++ or Java.

A complete compiler – Cool -> MIPS assembly language

In 5 programming assignments (PAs)

1. Write a Cool program
2. Lexical analysis
3. Parsing
4. Semantic analysis
5. Code generation

	Due date	Document	Note
Lexical analysis			
Parsing			
Semantic analysis			
Code generation			