

Reading Exercise 0 Discussion

Imperative vs Declarative

- A. Prolog, SQL, Perl
 - B. ML, Lisp, SQL
 - C. C, Java, Smalltalk
 - D. C#, Haskell, Spreadsheets
 - E. C++, Eiffel, Small talk
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1. Which set(s) above are considered functional
 2. Which set(s) above are considered OO
 3. Which set(s) above are considered imperative

List reasons to study Programming Languages

Bootstrapping

Phases

- Place these in the order they are usually performed
- Code improvement
- Parsing
- Typing
- Lexical Analysis
- Semantic analysis
- Target code generation

Regular expressions

- Which phase of compiling makes use of regular expressions
- Code improvement
- Parsing
- Typing
- Lexical Analysis
- Semantic analysis
- Target code generation

True or false

- There are infinitely many grammars for every context free grammar
- Ambiguity is a property of a language

Language implementations

- Interpreted, compiled, byte-coded
- Order these by the amount of time they take
 - When processing the program
 - When executing the program