3007 Final Exam Review

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1 Definitions

1.1 Imperative vs Declarative

1.1.1 Imperative

- Series of instructions
- Iterative functions
- Command driven, statement oriented
- Procedural
    - C
    - Pascal
    - Assembly
- Object oriented
    - C++
    - Java

1.1.2 Declarative

- No side effects
- Focus on relations
- "What to get" instead of "How to get"
- Order of statements *shouldn't* matter
- Examples:
    - SQL
    - Prolog
    - Regex

1.2 Scope vs Visibility

1.2.1 Scope

- foo