

For Friday

- Read chapter 1, section 3
- Submit questionnaire.
- Send email to mecaliff@ilstu.edu from your **preferred** email address.

By next Wednesday

- If you took 168 last semester, see me or Mrs. Goodwin and go over your final exam.
- If you did not, come see me to discuss your background.
- Goodwin's office hours:
 - MW 8:50-9:20 and 12:30-1:30
 - TR 8:50-9:20 and 11-12

Program 1

- Any questions?

Java Review

- Parameters
- Control Structures
- Input and output
- Files
- Exceptions
- Arrays

Abstraction

Abstract Data Type

- Implementation independent description of data and its behaviors

ADT Specifications

- Name
- Description
- Invariants
- Attributes
- Operations

Operation descriptions

- Responsibilities
- Pre-conditions
- Post-conditions
- Returns
- Exceptions

Object-Oriented

- PIE

Encapsulation