Implementing Data Structures; Pre-/Post-Conditions

Hitesh Boinpally
Summer 2023
Agenda

• OOP Review
• ArrayIntList
  • Pre-/Post-Conditions
• P0
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  - A template for some entity or type
    - State and behavior
  - “blueprint”
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  - `ArrayIntList myList = new ArrayIntList();`
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Client vs Implementer

- **Client**
  - Working with objects – what you’ve seen so far
  - Constructing objects, calling their methods, etc.
  - Programs that utilize implemented classes
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- **Implementer**
  - Designing classes for others to use
  - Provide *abstraction* layer
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P0 – Warm Up

• First programming assignment!
  • Review of previous concepts that you are expected to know
  • Make sure to complete all components
  • Due next Wednesday 6/28

• Workflow
  • Use IntelliJ to develop and debug
  • Mark your homework on Ed to turn it in
  • Ed test cases should be treated as final check!
    • Don’t try to debug from these cases
    • Instead use IntelliJ to debug your work
P0 – Warm Up

• To be making **effective progress** in the course:
  • You should be passing all test cases on Ed
  • You should be following good code quality principles
  • Resubmissions exist, but don’t let that be a crutch!

• We’re here to help:
  • Review content covered in pre-class work, lessons, section, etc.
  • Stop by IPL / Hitesh’s OH
  • Post on the Ed Board