

Generics Reprised, Serialization, More Code Review

L05, Sep 4, 2007

Administrivia

- Reminders:
 - Alternate lab Wed (tomorrow) in FEC309
 - Quiz I on Thurs (Sep 6)
 - Naming conventions in spec

Pretests back

- Marking scheme:
 - 0-3 pts per “content” question
 - 3 == correct in all important ways
 - 2 == reasonably close
 - 1 == missing one or more key ideas
 - 0 == didn't answer or completely wrong

Pretests back

- $\mu=1.5$
- $\mu|\text{answered question}=1.98$
- $\sigma=1.0$
- $\sigma|\text{answered} = 1.95$
- Strongest categories: iteration, static, use of generics
- Weakest categories: I/O, object runtime differences

Bird of time...

- Last time:
 - Point of generics; principle of late commitment
 - Generics hints
 - PIMI Crit; crit tips
- Today:
 - More notes on generics
 - Serialization (just a little)
 - PIMI crit continued
- Next time:
 - PI architectural overview

Generic gotchas

- Generics are purely *compile time* syntactic convenience
- Does not change data structure *at all*
 - Makes *no difference* at runtime
- All data stored internally as type “Object”
 - Typecasts inserted by the compiler