Functions

9-21-2011

Opening Discussion

- Minute essay comments
  - Compare methods and functions.
  - Can you call a function inside another function?
  - What is a Unit result?
  - x+y*y and order of operation.
  - Can you use Unix command in Scala?
  - Will there be study sessions before tests?
  - Upside down question marks in the book.
  - Using var with functions.
- IcP solutions

Function Literals

- Just like 5 is a literal for an Int and "hi" is a literal for a string, you can write literals of functions.

- The full syntax is an argument list followed by an equals arrow followed by the function expression.

  - (a:Int,b:Int) => 3*a+2*b

- Types don't have to be specified in many situations, only if Scala can't figure it out.

Higher-Order Functions

- These are functions that take functions as arguments or return functions.

- These are the main things we use function literals for. We will see them a lot in two weeks.

Minute Essay

- Assume I asked you to do some processing on 10000 numbers. How would that make you feel and why would you feel that way?

- Note that you will be showing code again on Monday.