

Lecture 2 Outline

September 28, 2015

Reading: *text* §2

1. Greetings and felicitations!
 - a. About logging in to the CSIF: the accounts were set up by Friday, even for those on the wait list. Remember to use your Kerberos (CAS) id, not your email name; if problems persist, please go to room 47 and ask the student assistants there for help.
 - b. The prerequisite test is *not* required! It is to help you decide whether this is the right course for you.
 - c. Office hours and the first homework will be posted later today.
2. Variable names
3. Basic types
 - a. **int, long** vs. **short, unsigned** vs. **signed**
 - b. **char**, treated like an **int** that holds 1 character
 - c. **float, double**
 - d. Type casting
4. Basic operators
 - a. arithmetic: **+**, **-**, *****, **/**, **%**
 - b. **%** defined so that $n \% p = r$ implies $n = ap + r$ for some a
 - c. $5 \% -2$ can be 1 ($5 = (-2) \times (-2) + 1$) or -1 ($5 = (-3) \times (-2) + (-1)$)
5. Associativity of operations
 - a. Difference between associativity of operations and order of evaluation