Final Exam Announcement

- Final exam will be held on Dec 17th in 205 MLH (from 7:30 am to 9:30 am).
- This will be an open book exam. You can use any written materials you want including lecture notes, Java tutorial printouts, book, homework solutions etc. You will not be allowed to share materials with your classmates during the exam.
- You will not be allowed to use any electronic devices (e.g. computer, cell phones, calculator etc.) during the exam.
- The exam will have two questions:
  - **Question 1 (Short questions):** There will be 14 short questions. These may include multiple choices and true/false questions. Topics include Packages, Exceptions, Java I/O, ArrayLists, Generics and Java threads. \[14 \times 5 = 70 \text{ points}\]
  - **Question 2 (Output):** You will be given three Java programs. Your task will be to write the output produced by them. \[3 \times 20 = 60 \text{ points}\]

Below are more details about the topics:
- **Program (a):** I/O stream with socket programming. Check KnockKnockServer and KnockKnockClient programs posted on course page for preparation.
- **Program (b):** Generics using comparable interface (see tutorial), Inheritance and sub-types of Generic types.
- **Program (c):** Thread Synchronization. The program may use `wait()`, `notify()` and `notifyAll()` methods.