Assignment 2
(Java Programming Practices)
(**Due by the lab on Thursday, 2/4/2009**)

Your name:	Score:

Lab preparations:
1. Create a directory "CSC201J" on the "H:" drive.
2. Create a subdirectory "Assignment02" under the "CSC201J" directory you just created.
3. Start up NetBeans6.8 and work on the Java projects/programs (you need to create a new project (for each of the following program practices) with *a meaningful name* under the directory "**H:\CSC201J\Assignment02**").

Java Programming Practices using Chapter 2's **LAB MANUAL**.
1. You need to check the Chapter 2 Lab Manual on our course website at (you may use the mouse-clicks to go there instead of typing the link address)
   http://cs.salemstate.edu/~b_yi/2010Spring/CSC201J/resources/labManuals/jhtp8LM_02.pdf
   - o Please do NOT print out the whole manual. Please do NOT distribute this manual in any form.
   - o Do not try to work on the lab from the first question till the last one. Just go directly to the questions (shown in the following) you are asked to do for this assignment.
2. For each of the following lab questions, you must:
   1) Write down (handwrite) the answers (for short-answer questions) or output/results (for programming questions/projects) in the space below the question number.
      - • If it is a programming exercise, you may jot down a portion of the code which you think you is important/difficult to you (not required!).
   2) If you need to write a program or test the program given, you need to create a NetBeans project with a *meaningful name* (for example, "lab02_23" for lab question 23 of this assignment) under the folder "**H:\CSC201J\Assignment02**".
   3) Show the result to the instructor (make sure the instructor **sign on** each tested program).
   4) Printout the source code (please *turn off the background* for the "print option"—ask the instructor on how to do it)
   5) Turn this assignment to together with the printed source code (stapled in the same order as the lab questions) to the instructor by the **due time**.

- • **Q36 on page 11.**

- **Q37 on page 11.**

- **Q38 on page 12.**

- **Q39 on page 13.**

- **Q40 on page 14.**

- **Lab Exercise 1---Shapes (on pages 21 and 22):**
    - First read these 2 pages for instructions on this programming project.
    - Work on the Follow-Up Question and Activity #1 (on page 22) (only 2 shapes are required for the output.)

- **Lab Exercise 2---Number Calculations (on pages 23, 24, 25)**

- **Lab Exercise 3---Separating Digits (on pages 27, 28, 29).**
  - o After completing the programming project, work on the Follow-Up Question and Activity questions (only **1, 2, & 3**) on page 29

- **Programming Challenge s1 on page 35.**

- **(Bonus 20 points) Programming Challenges 2 on page 36.**