

**Assignment 2**

Full Score: 100 points

**(Due by the lab on Wednesday, 2/1/2012)**

Your name:	Score:
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## Coding preparations:

1. Create a subdirectory “Assignment02” under the “H:\CSC201J”.
2. Create a subdirectory under directory “CSC201J\Assignment02” for each of the programming projects.
  - You must *use meaningful names for the subdirectories*, for example, “lab01\_Shapes” and “lab02\_numberCalculations” for the first two of the following projects; “challenge02\_evenOdd” for the last project.
    - i. Do *not* include whitespaces in the (sub)directory names.
    - ii. Use *underscore* and *capitalize* first letter of each word.
  - You must work on *each project in its own subdirectory*.
3. Usually, you cannot complete these coding projects in the lab. That means you will need to save what you have done in the lab in *some format* and in *somewhere* and to continue at your home.
  - Compress the subfolder “Assignment02” (by default, including all its contents) into a zip file
  - Send this compressed zip file to you via email or save it on a flash drive or your online storage where you can have access remotely.
  - **If you don’t know how to compress/extract files, please ask the instructor for assistance!!**

**How to submit?**

- Go to each of the project subdirectory and *delete* all class files (whose names end with “class”).
- Compress directory (and all its contents) “Assignment02) into a *single zip file*.
- Submit/upload this zip file at course website at Canvas (go through <https://salemstate.instructure.com/>).

**Java Programming Practices using Chapter 2's Lab Manual.**

1. You need to check the Chapter 2 Lab Manual on our course website at (There is a link to there from our course website) at [http://cs.salemstate.edu/~byi/2012Spring/CSC201J/resources/labManuals/jhtp8LM\\_02.pdf](http://cs.salemstate.edu/~byi/2012Spring/CSC201J/resources/labManuals/jhtp8LM_02.pdf)
  - Please do *not* print out the whole manual. Please do *not* distribute this manual in any form.
2. Complete the following Java coding projects:
  - **Lab Exercise 1---Shapes (on p21~22)**
    - First read these 2 pages for instructions on this programming project.
    - Only 2 shapes are required.
  - **Lab Exercise 2---Number Calculations (on p23~25)**
  - **Lab Exercise 3---Separating Digits (on p27~29).**
  - **Programming Challenge 1 on p35.**
  - **(Bonus 20 points) Programming Challenges 2 on p36.**