Programming Assignment 2

(100 points)

Due Date: 6:59 PM Monday, February 13, 2012

Educational Goal

Become familiar with command-line argument.

Requirements

- Create folder *hw2* under your *it114* folder.
- Modify UseArgument.java (http://introcs.cs.princeton.edu/java/11hello/UseArgument.java.html) to make a program **UseFive.java** that takes 5 names (java UseFive name1 name2 name3 name4 name5) and prints out a proper sentence in the following order:
  - In the reverse of the order given. For example,

    Hi name5, name4, name3, name2, and name1!

  - In the order of the 1st, 3rd, and 5th names, then the 2nd and 4th names in another line. For example,

    Hi name1, name3, and name5!

    Hi name2 and name4!

  - And finally, print each name in the original order in a proper sentence one by one. For example,

    Goodbye name1.

    Goodbye name2.

    Goodbye name3.

    Goodbye name4.

    Goodbye name5.

  In summary,

     java UseFive name1 name2 name3 name4 name5

  gives

     Hi name5, name4, name3, name2, and name1!

Hi name1, name3, and name5!

Hi name2 and name4!

Goodbye name1.

Goodbye name2.

Goodbye name3.

Goodbye name4.

Goodbye name5.

- Comments for UseFive.java, follow the same style used by the example, http://introcs.cs.princeton.edu/java/11hello/UseArgument.java.html. That is, explain how to compile and run the program and what the results are.
- Compile UseFive.java and generate UseFive.class under the same folder (/it114/hw2).
- Run UseFive.class and produce results under your UNIX account.

Submission Requirements

1. The homework folder and homework files must be created under your Unix account **before** the submission deadline. **Zero points for late submission**.
2. Turn in the paper copy of **the source code**, **outputs of the program**, **and the completed cover page (provide your UNIX ID in the cover page)** in class. **Paper copy should be bound firmly together as one pack (for example, staple, but not limited to, at the left corner). 5 points will be deducted for unbounded homework**.
3. No hard copies or soft copies results in 0 points.