# Programming Assignment 4

## (100 points)

## Due Date: 6:59 PM Monday, March 19, 2012

**Educational Goal**

Become familiar with conditionals and loops.

**Requirements**

* Create folder *hw4* under your *it114* folder.
* Helping examples for this assignment: Conditionals and Loops textbook webpage <http://introcs.cs.princeton.edu/java/13flow/>.
* Design and implement a program **SquareIt.java** that takes two arguments. The first argument can be either 1 or -1. The second argument is an integer n that is less than 100. SquareIt prints out the calculated result of 1+1/22+1/32+…+1/n2 if the first argument is -1. Otherwise, SquareIt prints out the calculate result of 1+22+32+…+n2 if the first argument is 1.
* Comments for SquareIt.java, follow the same style used by the example, <http://introcs.cs.princeton.edu/java/13flow/TenHellos.java.html>. That is, explain how to compile and run the program and what the results are.
* Compile SquareIt.java and generate SquareIt.class under the same folder (/it114/hw4).
* Run SquareIt.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 (.java file)**, **outputs of the program**, **and the completed cover page (provide your name and 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.