CSI 668 Topics in System Architecture
Assignment 1 – C$^{\#}$ vs. Java
Due: Oct. 11, 2002

In this assignment you will implement the *Heapsort* algorithm using Java and C$^{\#}$ and compare the strengths and weaknesses between these two languages in any aspect, such as performance, CPU and memory requirements, and usability, etc. You need to provide the design of your programs, sufficient comments and a report showing the results of your comparison.

Input: Your program should read the input from a file: *"in.dat"* which contains a sequence of strings.

Output: Your program should write the sorted strings in nondecreasing order to the file: *"out.dat"*.

Grading policy: Comments and style(10%), design (20%), correctness of the code (40%), and report (30%).