HOMEWORK 6 – Generating Academic Report With Arrays

Due Date:12/13/2006

Problem statement: Page 607, 14

Additional Requirement: Generate a summary report that shows the student name and new cumulative GPA for all students, sorted by GPA in descending order.

Files are available here: STUDENT.DAT, and STUPDATE.DAT:
 http://www.cis.umassd.edu/~x2zhang/courses/CIS261/class/student.dat
http://www.cis.umassd.edu/~x2zhang/courses/CIS261/class/stupdate.dat

Requirement
1. Use top-down design to solve the problem with multiple sub-programs, the main program refers to the subprograms when needed.
2. Use array to store information and sort data.

What to submit (submit it before or on class 12/13/2006)
1. The written specification
2. Variables names and types
3. Flow Chart (show top-down design)
4. Source program
5. Sample execution results

Demo your homework during any tutoring hours before or on due date 12/13/2006.

Help available
1. Instructor office hour: MW 2-3:30PM, Fri. 2-3PM
2. TA Tutoring hours: Mon. 3 – 5PM (DION 311), Thursday 6:30-8:30PM (DION 303)
3. If you finish your lab earlier, you can use the lab time to work on your homework.

Grading Policy
1. Written specification and flow chart (2)
2. Source code with good comments (1)
3. Test result and demo (2)