

CSCE 3110 Fall 2006 ASSIGNMENT 1  
Instructor: Dr. Xiaohui Yuan

**Due: September 5, 2006**

Write a program to find the maximum subsequence sum of a set of numbers

**Maximum subsequence sum problem**

Given integers  $A_1, A_2, \dots, A_N$ , ( $A_i$  can be positive or negative) find the maximum value

of  $\sum_{k=i}^j A_k$

1. The test set of integers has to be **-2 11 -4 13 -5 -2**
2. This set of numbers is saved in an ASCII file (e.g. data.txt) and the program prompt user to enter the file name and read the numbers to the memory.
3. The program output the result to the screen.
4. The program saves the result to a file (e.g. output.txt). This file includes the output displayed on the screen and the time this program takes to complete.

**Delivery:**

1. Source code that can be successfully compiled.
2. Script that contains your compiling and test records.