###### *Homework 3 - Report*

###### *Pointers and Dynamic Allocation of Memory*

**Name: Pan Yue**

When did you start working on this assignment?

I started working on 3A and 3B one week before the first mid-term exam. After the exam, I started doing 3C.

What is this homework’s level of difficulty? (1– easy, 10 – very difficult)

Approximately how long did this homework take you to complete?

|  |  |  |
| --- | --- | --- |
|  | Level of difficulty  (1-10) | Minutes, Hours |
| **22B\_H3A.cpp** – Insertion Sort | 4 | 30 minutes |
| **22B\_H2B.cpp** – Find and fix errors | 8 | 1 hour |
| **22B\_H3C.cpp** – **Project: Ragged Arrays** | 10 | 5 hours |

Did you write comments for all new functions? Y

Did you save the output as a comment at the end of the source file? Y

What score would you assign to this project (see Grading below)?

Why do you think you deserve this score? Show the score calculation with justification.

|  |  |  |
| --- | --- | --- |
|  | Points | Your Score |
| Program 3A | 10 | 10 |
| Program 3B | 20 | 20 |
| Self Assessment Report | 5 | 5 |
| Program 3C |  |  |
| Get data from file | 20 | 20 |
| Show ragged table | 10 | 10 |
| Sort rows | 10 | 10 |
| Sort table | 20 | 19 |
| Release table (no memory leak) | 5 | 4 |
|  |  | TOTAL: 98 |

What was the most difficult task/part of this homework assignment?

Homework 3 is quite difficult for me. The most difficult part is to understand how the arrays loop through.

Anything else?

It’s also hard to figure out the solution to printing the number of rows before the elements of every row.