DVC Schedule v.2, Lab Assignment 5

Re-submit Assignment

Due Oct 4 by 11:59pm   **Points** 100   **Submitting** a file upload   **File Types** cpp and h

Programming For Big Data [DvcSchedule5.cpp _and_ **StaticArray.h** _and/or_ **DynamicArray.h]**
Lab Assignment 4's runtime was too slow -- a couple of minutes or so. It's because of the duplicate-checking, with over 2 billion compares.

Rewrite the duplicate-checking logic from lab 4, using a technique from "Techniques For Big Data, Reading" to do fewer compares, and come up with the exact same results as lab4.

You may use your **StaticArray.h** from lab 2 and/or your **DynamicArray.h** from labs 3 and 4, but you may not use any STL containers. Submit the H file(s) you use in your solution, even if there are no changes since your previous work. _Your project will be compiled for grading using the default stack memory size of 1MB._

Progress Bar

Since this version is supposed to be fast, there is no longer a need for a progress bar. Include one if you wish, or you may leave it out -- your choice. But if you do have a progress bar, do remember to "flush"...

Lab Assignment Rubric							
Criteria	**Ratings**						**Pts**
Fully accurate results, following all specifications view longer description	Works the first time. 70.0 pts	Works on the 2nd try 65.0 pts	Works on the 3rd try 60.0 pts	Works after 4 or more tries. 50.0 pts	Doesn't work after 2 weeks. Partial credit. 20.0 pts	Not submitted within two weeks of the due date. 0.0 pts	Work is not original -- appears to be a marked-up copy of the work of another or previous student. 0.0 pts	70.0 pts
Submits all work on time, fully complete if not fully correct. view longer description	Submitted on time 20.0 pts	Submitted on time, but one or more files are missing or not correctly named. 16.0 pts		Submitted on time, but with missing identification in one or more submitted CPP or H files. 15.0 pts		Submitted on time but not fully complete. 10.0 pts	Late or wholly incomplete! 0.0 pts	20.0 pts
Well-organized and professional quality code. view longer description	Fully meets expectations 10.0 pts	Mostly meets expectations, just needs to be a bit more careful. 8.0 pts		Many areas are well done, but there are a lot of areas that need work. 6.0 pts		Getting there, but needs to be a lot better. 3.0 pts	Needs a lot of work. See the instructor for guidance. 0.0 pts	10.0 pts
							Total Points: 100.0	