

CS 293 Data Structures and Algorithms

General Information

1. The lab will be held every Thursday starting from 2-00 p.m. There will be no live sessions as such for the lab, but we can use MS Teams or moodle for messaging to clarify doubts. The 3 hour slot for the lab is the time you should keep free to complete the assignment.
2. Each lab will involve solving one programming problem, and writing a C++ program for it. The problem will be specified on moodle by 2-00 p.m, and a single program file would have to be submitted by uploading on moodle. While the allotted 3 hours would be sufficient, you will have till Thursday evening around 8-00 p.m. to complete it.
3. During the lab hours, any doubts can be raised on moodle or MS Teams, by posting in the discussion forum or by messaging/emailing me or TA's. We will be on moodle/MS Teams during that time. After the lab hours, there may be some delay in response.
4. Each lab will be graded based entirely on the input-output behaviour. The program must meet the criteria specified in terms of sizes of inputs and time required. The grading will be binary, that is either the program works for all test cases, or it does not.
5. Test cases will not be provided except for some small sample cases to clarify the input-output format, and a few to check correctness. You should test your programs using your own cases before submitting. You can share your test cases with each other on MS Teams (not moodle if they are large) , but please do not share code.
6. If possible, an end-semester examination may be conducted which will have at most 20% weight and the rest for the assignments. There will be sufficiently many assignments and the best 8 to 10 of them will be considered.
7. You will need a C++ compiler to compile the programs. If you are on linux you will have g++ available. On other systems, there are free compilers available that you will have to download and install. Note that nothing else is required, and you do not have to use the lab environment created by the department. It may in fact be better to work offline on your machine and upload the file when you are done.
8. Please do not copy code from anyone or give it to anyone else. Discussion is allowed but please do it openly on moodle or MS Teams so that everyone benefits. If plagiarism is detected, action will be taken as per department rules.