Algorithms & Data Structures: Lab 19

week of 18th March 2019

1   Setup

1.1   Saving your work from last week

By now you should be familiar with the operations needed to save your work. Make sure you commit your work to version control often, and always have a backup copy, ideally remotely (for example in your own account on the department's gitlab installation.)

1.2   No new code this week

As this week's lab is devoted to you creating your own exercise, there is no new material (other than this labsheet itself) to be pulled. However, you should pull from gitlab, whereupon this labsheet will be in the `19/` directory alongside the existing directories.

2   [optional] Implementing your own lab exercise

Your task for this week is to choose one of the six data structures from the essay assignment brief, and to construct a lab exercise for that data structure (in the style of the lab exercises you have been doing).

This task is optional. You will not be penalised for not doing it; however, there are **bonus points** towards the coursework score available for attempting it, and even more **bonus points** for attempting it well.

In order for your attempt to be counted, you must submit a pull request to the `is52038b-labs` repository on the College's gitlab instance. This pull request should put files under the `19/` directory, and I should be able to run `make` and `make test` in a language-appropriate subdirectory. Up to one lab's worth of **bonus points** is available for a perfect submission delivered by **16:00** on **Friday 23rd March**.

3   Assessed submissions

3.1   Peer-assessment

Your assessments of other people's draft summaries are due on the VLE by **16:00** on **Friday 22nd March** (the activity is open for peer-assessment from **16:00** on **Friday 15th March**). Failure to submit peer-assessments will lead to an automatic mark of zero for the assessment part of the activity.

3.2   Strings quiz

The strings quiz closes at **16:00** on **Friday 22nd March**.

3.3 Tries lab submission

Submit your work on tries, along with answers to the optional extra questions, to the submission area for this activity on the VLE by **Friday 29th March** at **16:00**. As usual, you may submit more than once, and the highest-achieved score is retained.

3.4 General knowledge quiz

The general knowledge quiz closes at **16:00** on **Friday 29th March**.

3.5 Final versions of summaries

Your final summaries of your assigned algorithms and data structures are due by **16:00** on **Friday 29th March**.