Exam for DIT182 and DAT495
(Re-exam for DAT038, TDA417, DAT525, LET375, DIT181)
Data structures and algorithms

2023-03-14 (Tuesday), 14:00–18:00

Teachers   Christian Sattler, tel. 0723–526145
(will visit exam rooms around 15:15 and 16:30)

Notes   *Answer directly on the question sheets.*

If you need additional space, you can use extra pages.
Refer to them from the question sheet so that we don't miss them.

Write your anonymous code (not your name) on every page.

You may answer in English or Swedish.
Excessively complicated answers might be rejected.
Write legibly — we need to be able to read your answer!

You can take this cover page home after the exam.
Questions and solutions will be published afterwards here:
https://github.com/ChalmersGU-data-structure-courses/past-exams

Allowed aids   None.

Exam review   When the exams have been graded, they are available for review in the CSE student office on Floor 4 of Jupiter, Lindholmen.

If you want to discuss the grading, please come to the exam review:
Thursday, March 23, 13–15, in Kuggen 342.
In that case, leave your exam in the student office until after the review.
We will bring all exams to the review meeting.

Afterwards, the exams can be collected from the respective student office
(DIT181+182, DAT495, LET375: Lindholmen; the rest: Johanneberg).

Grading   See opposite side.

Good luck!

Grading

There are **8 basic questions** and **4 advanced questions**.
The answer to each question is graded either **correct** or **incorrect**.

- To pass the exam, you must pass 6 of the 8 basic questions.

If your course uses the Chalmers grading scale:

- To get a four, you must **also** pass 2 of the 4 advanced questions.
- To get a five, you must **also** pass 4 of the 4 advanced questions.

If your course uses the GU grading scale:

- To get a VG, you must **also** pass 3 of the 4 advanced questions.

If you pass all basic questions, you need **one less** advanced question.

If you are incorrect on a basic question, but correct on an advanced question of the same theme, we **may** decide to count that advanced question as a basic one.

Grade	Correct answers needed
3/G	⩾ 6 basic
4	6 basic + 2 advanced **OR** 8 basic + 1 advanced
VG	6 basic + 3 advanced **OR** 8 basic + 2 advanced
5	6 basic + 4 advanced **OR** 8 basic + 3 advanced