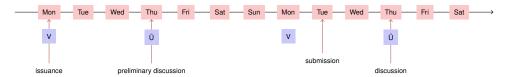
Computer Science II

Course at D-BAUG, ETH Zurich

Felix Friedrich & Hermann Lehner

SS 2019

Exercises



- Exercises availabe at lectures.
- Preliminary discussion in the following recitation session
- Solution of the exercise until two days before the next recitation session.
- Dicussion of the exercise in the next recitation session.

Welcome!

Course homepage

http://lec.inf.ethz.ch/baug/informatik2/2019/

The team:

Lecturers Felix Friedrich

Hermann Lehner

Assistants Patrick Gruntz

Aristeidis Mastoras

Chris Wendler

Manuel Winkler

Back-office Katja Wolff

Exercises

■ The solution of the weekly exercises is voluntary but *stronly* recommended.

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It is so simple!

For the exercises we use an online development environment that requires only a browser, internet connection and your ETH login.

If you do not have access to a computer: there are a a lot of computers publicly accessible at ETH.

Literature

Algorithmen und Datenstrukturen, *T. Ottmann, P. Widmayer*, Spektrum-Verlag, 5. Auflage, 2011

Algorithmen - Eine Einführung, *T. Cormen, C. Leiserson, R. Rivest, C. Stein*, Oldenbourg, 2010

Introduction to Algorithms, T. Cormen, C. Leiserson, R. Rivest, C. Stein, 3rd ed., MIT Press, 2009

Algorithmen Kapieren, Aditya Y. Bhargava, MITP, 2019.

Exams

The exam will cover

- Lectures content (lectures, handouts)
- Exercise content (recitation hours, exercise tasks).

Written exam.

We will test your practical skills (algorithmic and programming skills) and theoretical knowledge (background knowledge, systematics).

Offer

- Doing the weekly exercise series → bonus of maximally 0.25 of a grade points for the exam.
- The bonus is proportional to the achieved points of **specially marked bonus-task**. The full number of points corresponds to a bonus of 0.25 of a grade point.
- The **admission** to the specially marked bonus tasks can depend on the successul completion of other exercise tasks. The achieved grade bonus expires as soon as the course has been given again.

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Offer (concretely)

- 3 bonus exercises in total; 2/3 of the points suffice for the exam bonus of 0.25 marks
- You can, e.g. fully solve 2 bonus exercises, or solve 3 bonus exercises to 66% each, or ...
- Bonus exercises must be unlocked (→ experience points) by successfully completing the weekly exercises
- It is again not necessary to solve all weekly exercises completely in order to unlock a bonus exercise
- Details: exercise sessions, online exercise system (Code Expert)

Academic integrity

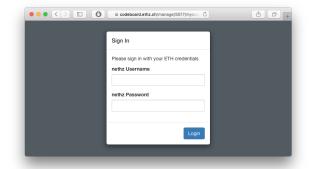
Rule: You submit solutions that you have written yourself and that you have understood.

We check this (partially automatically) and reserve our rights to adopt disciplinary measures.

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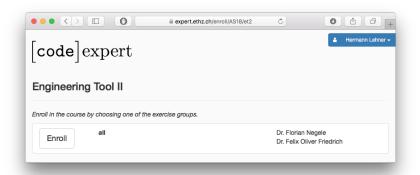
Exercise group registration I

- Visit http://expert.ethz.ch/enroll/SS19/ifbaug2
- Log in with your nethz account.

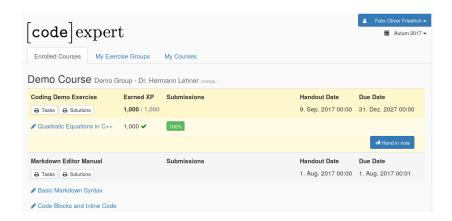


Exercise group registration II

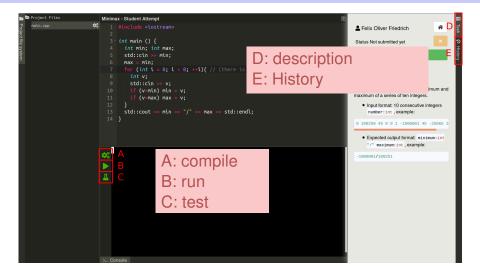
Register with the subsequent dialog for an exercise group.



Overview

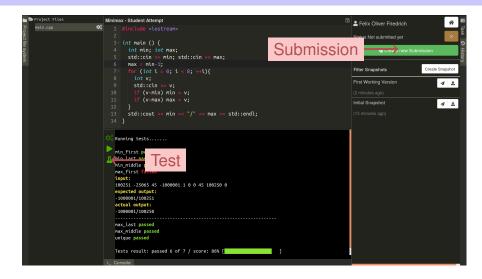


Programming Exercise



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Test and Submit

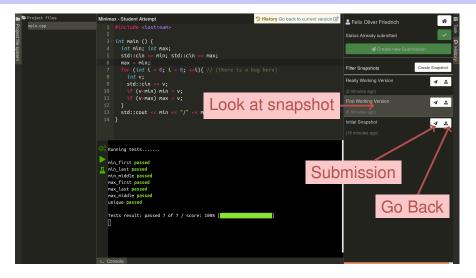


Where is the Save Button?

- The file system is transaction based and is saved permanently ("autosave"). When opening a project it is found in the most recent observed state.
- The current state can be saved as (named) *snaphot*. It is always possible to return to saved snapshot.
- The current state can be submitted (as snapshot). Additionally, each saved named snapshot can be submitted.

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Snapshots



Should there be any Problems ...

- with the course content
 - definitely attend all recitation sessions
 - ask questions there
 - and/or contact the assistant
- further problems
 - Email to lecturer (Felix Friedrich, Hermann Lehner)
- We are willing to help.