

## Welcome to the Course !

# Computer Science II

Course at D-BAUG, ETH Zurich

Felix Friedrich & Hermann Lehner

FS 2018

Course Home Page

<http://lec.inf.ethz.ch/baug/informatik2/2018/>

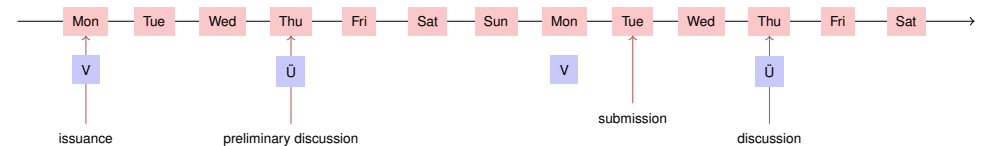
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## The Team

Lecturers	Felix Friedrich Hermann Lehner
Chief Assistant	Andreas Baertschi
Assistants	Aandrea Ciuprina Chris Wendler Patrick Gruntz Max Rossmannek

## Exercises



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

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## Exercises

- At ETH an exercise certificate is not required in order to subscribe for the exams.
- The solution of the weekly exercises is thus voluntary but *strongly* recommended.

## Lacking Resources are no Excuse!

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 lot of computers publicly accessible at ETH.

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## 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

**Sprechen Sie Java?**, Hanspeter Mössenböck, dpunkt Verlag, 5. Auflage 2014.

**Einführung in die Programmierung mit Java.**, Robert Sedgewick, Kevin Wayne, Pearson, 2011

## Exams

The exam (in examination period 2018) will cover

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

Written exam.

We will test your practical skills (programming skills <sup>1</sup>) and theoretical knowledge (background knowledge, systematics).

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<sup>1</sup>as far as possible in a written exam

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## 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 successful completion of other exercise tasks. The achieved grade bonus expires as soon as the course has been given again.

## Academic integrity

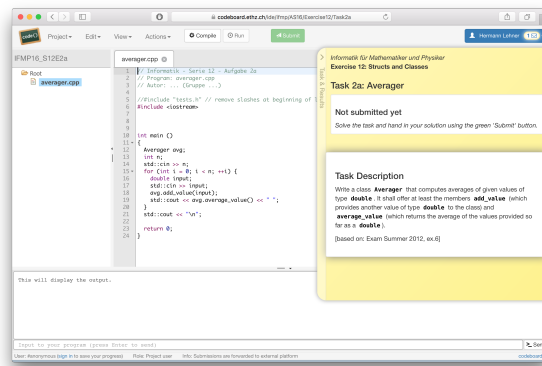
**Rule:** You submit solutions that you have written yourself and that you have understood.

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

## Codeboard

*Codeboard* is an online IDE: programming in the browser!

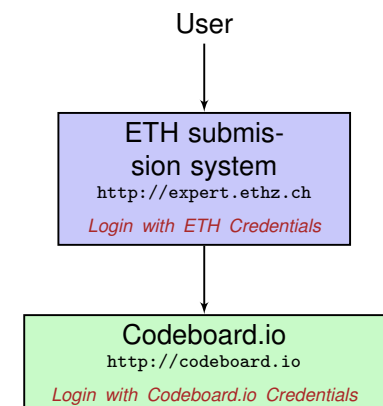
- Bring your laptop / tablet / ... along, if available.
- You can try out examples in class without having to install any tools.



## Expert

Our exercise system consists of two independent systems that communicate with each other:

- **The ETH submission system:** Allows us to evaluate your tasks.
- **The online IDE:** The programming environment



## Exercise Registration

### Codeboard.io Registration

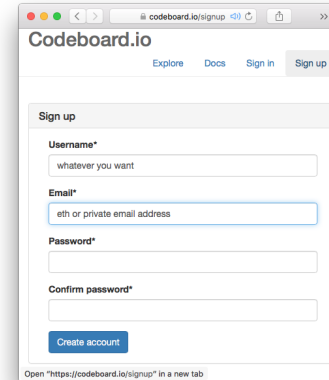
Go to <http://codeboard.io> and create an account, stay logged in.

### Registration for exercises

Go to <http://expert.ethz.ch/inf2baug2018> and inscribe for one of the exercise groups there.

## Codeboard.io Registration

If you do not yet have an **Codeboard.io** account ...



The screenshot shows the Codeboard.io sign-up page. It features a 'Sign up' form with the following fields: 'Username\*' (placeholder: 'whatever you want'), 'Email\*' (placeholder: 'eth or private email address'), 'Password\*', and 'Confirm password\*'. A blue 'Create account' button is at the bottom. The browser's address bar shows 'codeboard.io/signup'.

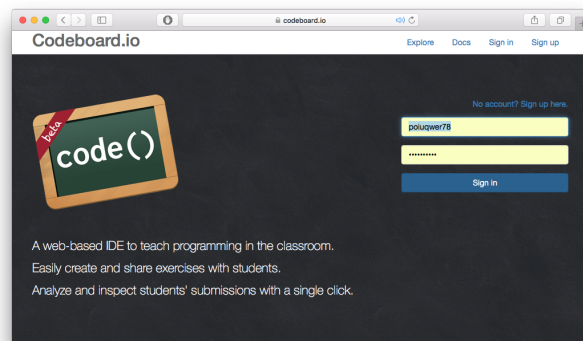
- We use the online IDE **Codeboard.io**
- Create an account to store your progress and be able to review submissions later on
- Credentials can be chose arbitrarily *Do not use the ETH password.*

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## Codeboard.io Login

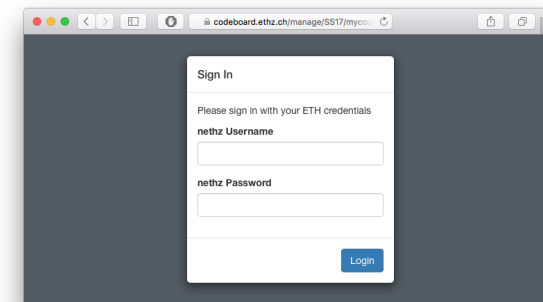
If you have an account, log in:



The screenshot shows the Codeboard.io login page. It features a 'Sign in' form with the following fields: 'nethz Username' and 'nethz Password'. A blue 'Login' button is at the bottom. The browser's address bar shows 'codeboard.io'.

## Exercise group registration I

- Visit <http://expert.ethz.ch/inf2baug2018>
- Log in with your nethz account.



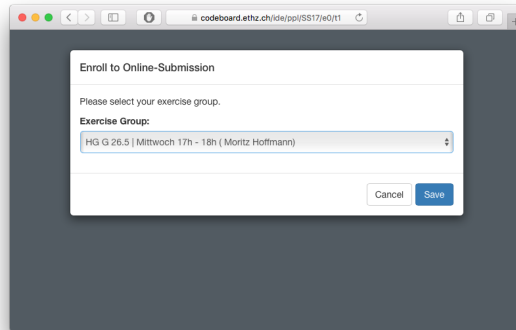
The screenshot shows the Codeboard.io login page with a white sign-in form. It features the following fields: 'Please sign in with your ETH credentials', 'nethz Username', and 'nethz Password'. A blue 'Login' button is at the bottom. The browser's address bar shows 'codeboard.ethz.ch/manage/SS17/myco...'.

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## Exercise group registration II

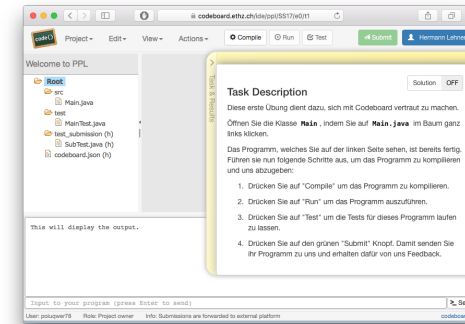
Register with this dialog for an exercise group.



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## The first exercise.

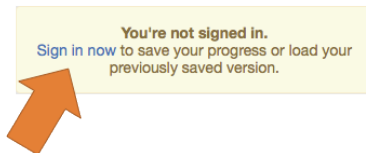
You are now registered and the first exercise is loaded. Follow the instructions in the yellow box.



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## The first exercise – codeboard.io login

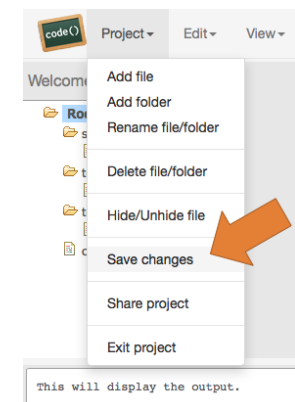
**Attention** If you see this message, click on [Sign in now](#) and register with you **codeboard.io** account.



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## The first exercise – store progress

**Attention!** Store your progress regularly. So you can continue working at any different location.



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## In your and our Interest

Please let us know as soon as possible when you see problems, if

- the lectures are too fast, too hard, too slow, ....
- you have problems with the exercises ...
- you do not feel well looked after ...

Briefly: if there is something  
on your mind



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## Should there be any Problems ...

- with the course content
  - definitely attend all recitation sessions
  - ask questions there
  - request a meeting with the assistant
- other problems
  - Email to the head TA (Andreas Baertschi) or
  - Email to lecturer (Felix Friedrich, Hermann Lehner)
- We are willing to help.

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