Computer Architecture: Assignments

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22. Februar 2022

Today

General Information

Serie 0

General

- Exercise Hours: Tuesday, 15:15-16:00
- Lecture materials and exercises: www.ilias.unibe.ch
- ▶ Piazza: For questions about the lecture material and exercises

Exercise Series

- 5 regular Series
- Every two weeks

Theoretic part graded

Programming part 0, 0.5 or 1 point per Serie

- ► 3 C-programming Series
- 2 Assembly programming Series
- Can be done individually or in teams of two
- Repetition series in two parts (C and assembler)

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Exam requirements

- ▶ Theory: 60% of the maximum number of points **per Serie**
- ▶ Programming part: 4 out of 5 points
 - Example: 0.5, 1, 1, 0.5, 1
- Mock exams: 19/04 and 31/05



Serie 0 Goal

- ▶ Make sure that the C programs can be compiled
- ▶ GNU C-Compiler (Version \geq 4.0) und Make
- Serie 0 does not have to be submitted



Tips

- 1. Use UNIX-based OS
- 2. Linux (e.g. Ubuntu) in a Virtual Machine (e.g. VirtualBox)





What has to work?

Call compiler directly:

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$$\underbrace{\texttt{gcc}}_{\texttt{Compiler}} \underbrace{-\texttt{std=c99}}_{\texttt{Standard}} \underbrace{-\texttt{pedantic}}_{\texttt{warnings}} \underbrace{-\texttt{o helloWorld}}_{\texttt{Outputs}} \underbrace{\texttt{helloWorld.c}}_{\texttt{Input}}$$

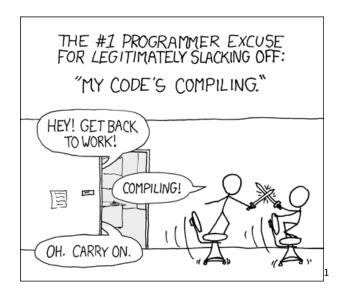
Compile with make

Compile make

Run ./helloWorld

Clean up make clean

Next Week: Practice session and assistance



¹http://www.xkcd.com/303/

Questions?