

## Competition: how to win

- The team that has designed and developed the LBC that generates the fastest binary for the target LB program wins the competition!
- Target LB program: competition.b

I will release it via Canvas soon

## Competition

- It will be live on the last day
- All correct LB compilers will participate together with gcc, clang, and my compilers
- Don't forget: if you compete, then you'll get 1 point!
- Use my compilers to understand whether you have optimized the generated code enough
- Every year so far:
the winner generates a faster binary compared to the one my compilers generate


## Workload for the class competition

- LB program: competition.b
- After compiling this program, take a look at L1/prog.S
- Could you have implemented the same workload writing it directly in x86_64 assembly?
- The official competition will use only your compilers that you have submitted before the competition deadline
- Deadlines:
- See Canvas


## Competition: how to join the competition

You can compete only if

- Your compilers pass all L1, L2, L3, IR, LA, LB tests


## Good luck!

- You submitted all tests for all languages and they are all correct in the latest framework (make sure to include the in files for ALL of your tests -- resubmit if necessary)
- You submit your LBc before the deadline (hard deadline)
- Your LBc compiles competition.b in less than 10 minutes on hanlon


## What todo with your LBc

- Testing:
- Compile all compilers: run make -j from the parent directory of the framework
- Test all compilers run make test from the parent directory of the framework
- Submitting
- Please use "make homework" to upload your work
- Competition: the compiler that generates the fastest binary wins
- Login in hanlon
- Compile your compilers: make from the parent directory
- Run your compiler: cd LB; make performance

Always have faith in your ability

Success will come your way eventually

## Best of luck!

