

CS 4414/5416: Systems Programming

Lab 1: Counter Statistics

2026-08-28

Welcome!

TODO: TAs introduce yourselves

Primary goal: Work together on something

- Fine to have small groups (up to 4)
- Grab a question sheet per person (as in lecture)
- Work on the lab assignment during the hour

A quick technical note

```
#[derive(PartialEq, Eq)]  
struct MyStruct {  
    // Fields go here  
}
```

- The **derive** macro automatically implements code for the **Eq** and **PartialEq** traits.
- We'll discuss traits and **derive** in more detail soon

A quick technical note

```
#[cfg(pred)]  
struct MyStruct {  
    // Fields go here  
}
```

- The `cfg` macro allows for conditionally including code.
- When `pred` is true, code is included, when it is false it is excluded.
- Kind of like `#ifdef` macros in C.

Getting the material

Repo: <https://github.coecis.cornell.edu/cs4414-f26/lab-01>

- Go to `ASSIGNMENT.md` for assignment details.
- Your code should go in `lib.rs`
- Check progress with `cargo test` (see Milestones header)

Hand in question sheet at the end of session

- Who were you working with?
- How far did you get by the end?
- What questions came up?