

# 322 Compilers Assignment: Lc Speed

**Due Monday June 6th, noon**

**Your job:** Clean up, polish up, speed up your compiler. And write a program to run in everyone's compilers. Then, we'll see whose compiler produces the fastest code.

The compiler should accept a filename on the command-line ending with `.L5` and it should write an `a.out` file containing an x86 binary that runs the L5 program.

**Handin instructions:** Your handin must run on the t-lab machines (under linux).

Hand in your assignment by sending email with the subject `Lc` to `robby@eecs.northwestern.edu`. The email should include an attachment named `name.Lc.tar.gz`. The `name` should be your last name in all lowercase letters unless you are pair programming, in which case it should be both last names in alphabetical order, separated by `+`. For example, if Robert Jordan and Brandon Sanderson were pair programming and handing in this assignment, they'd send in a tarfile named `jordan+sanderson.Lc.tar.gz`.

The `.tar.gz` file should also contain a single L5 program named `name.L5`. This is your contribution to the speed test.

Running the program in your compiler should take no more than 5 minutes on the tlab machines and should produce a binary that takes roughly between 1 and 2 minutes (also on the tlab machines).