Advanced Homework 11

Due: Wednesday, November 28th, 11:59PM (Hard Deadline)

Submission Instructions

To receive credit for this assignment you will need to stop by someone's office hours, demo your running code, and answer some questions. **Make sure to check the office hour schedule as the real due date is at the last office hours before the date listed above.** This applies to assignments that need to be gone over with a TA only. **Extra credit is given for early turn-ins of advanced exercises. These details can be found on the website under the advanced homework grading policy.**

Taking IDEs Farther

In lecture we showed valgrind running in Xcode, we looked at online (text- based) IDEs, we saw IDEs that didn't even include a "text editor." Your task is to push your IDE usage beyond what was done in the regular homework. Try 2 new things, and be ready to demo them to a course staff member.

1. Create an account with an online IDE service. Migrate a project there, and be sure to use source control (GitHub or GitLab). Do some non-trivial development, like finishing your current class project for another class, or making meaningful commits (locally) to a class or personal project.

2. Build an app with 2+ hours of development time in a "Visual IDE" like Scratch or App Inventor.

3. Set up 4 or 5 IFTTT applets (the more related they are, the better).

4. Trick out your desktop IDE (Xcode or Visual Studio) to extend or swap out current functionality. This would be like using g++ in the IDE, or make, or valgrind, gcov, eslint, etc.

You are welcome to do this assignment either on your native operating system on your machine or inside the class VM, whichever helps you learn the most.