Recitation 05

Quiz 1 and Lab 2 Review

Preface

Preparing for Recitation 05

Pulling the fifth assignment

- Inside your recitations repository in your VM
  - Run **git pull upstream master**
  - Make sure you have an r05 directory
  - You should have an in-class directory and a for-homework directory inside r05

Today's agenda

- We will discuss in recitation
  - Quiz 1
  - More Debugging
- What you will do tonight
  - R05
    - Debug a program
      - It's another list remove function
      - The error present was a common one both on the quiz and on the lab

Debugging

Figuring out difficulties

Quiz 1

Going over difficulties

Debugging your code

- GDB will tell you where your code segfaulted
- GDB can tell you what values are what
  - AKA why your code segfaulted
- GDB can print structs!
  - p *head prints the fields of the struct pointed to by head
- GDB can interpret numbers however you tell it to!
  - Use the x command to view the data at a memory address
  - x buf means print the value at buf
  - x/10bt means print 10 (10) bytes (b) in binary (t) – what might this be helpful for?
- It may help to disable optimizations
  - Add –O0 to the Makefile CFLAGS