CMSC216: GDB Intro

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Logistics

Reading Bryant/O'Hallaron

- Review
- 2021 Quick Guide to GDB

Goals

- Brief survey of GDB for upcoming project
- Practice Exam 1

Date	Event
Thu 21-Sep	Ints, Floats, GDB
Mon 25-Sep	Discussion: Wrap **P1 Due** **Dis03 Due**
Tue 26-Sep	GDB, Practice Exam
Wed 27-Sep	Review (HW03 & 4)
Thu 28-Sep	**Exam 1**
Fri 29-Sep	P2 Released
Tue 03-Oct	Assembly Code

Still owe you an optional completed discussion of IEEE-754 floating point; look for that later in the week as optional viewing material

Announcements

Intro Class Survey

If CMSC216 is your first programming course at UMD, you will get a survey request via email to fill out from the department; please respond with your experience!

CMSC216 Feedback Survey on Canvas

- Rather than Discussion 04 having exercises, use it for review
- Earn 1 more EP by completing the Feedback Survey on Canvas
- Due Wed 04-Oct 11:59pm

GDB: The GNU Debugger

- P2 will include a "debugging problem" called `puzzlebox`
- Easiest to solve this problem using GDB (or some other debugger)
- **Debuggers allow one to stop time in a program**, inspect variables, pause execution at certain points and skip forwards
- If you've added tons of `printf()`'s to your code and still can't figure out what's going on, a Debugger is your next option
- Basic mechanics demonstrated by solving first phase of the upcoming `puzzlebox`
- Associated Reading: 2021 Quick Guide to GDB

Review Time: Practice Exam 1

- 20min silent individual work (exam rules)
- 10min group work to improve answers
- 30min discussion of answers