Sp18 CS 61B Discussion 1

Welcome!

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Announcements

- HW0 has been released!
- Project 0 will be released right after this section (by yours truly)!
- You can attempt the Lab 1 computer setup, and finish up setup in Lab.

Before We Start...

- This section is an exam prep section! Plan accordingly.
  - Spend the next few weeks attending different discussions to find your favorite TA.
  - Please find a TA that suits your learning style! Don't worry, we won't be offended :)

"Quiz" Time!

Quiz Directions

- Please also **neatly** put your email address
  - So I can email you advice / resources / corrections / encouragements!

Preamble

Things I Wish I Knew Before I Took 61B

- Start early
- Use your resources (TAs, OH, Piazza)
- If you're confused, ask for help
  - But always make an attempt first
- Don't cheat!!!!!
- Don't let your scores get you down

Speaking of Resilience

- My CS 61B Midterm 2 Score
- That's a 29.8%, by the way

| Midterm 2 | 13.41 / 45.0 |

FunZone? (I need a better name)

Why is Gandhi Such an Asshole in *Civ 4*?

- https://kotaku.com/why-gandhi-is-such-an-asshole-in-civilization-1653818245

Why is Gandhi Such an Asshole in *Civ 4*?

- Each character has an **aggression rating**.
  - Between 0 and 255, using an **unsigned 8-bit int.**
- Gandhi's aggression rating was 1, very low.
- Can anyone see where this is going?

Why is Gandhi Such an Asshole in *Civ 4*?

- When "democracy" is discovered in-game, **every** leader's aggression rating goes down by 2.
- For Gandhi: 1 - 2 = -1
- Because the variable is **unsigned**, it wrapped around to 255, the highest possible aggression value.

Moral of the Story

- **Test. Your. Code.**

Onto Discussion