```
activity: what is code?

(discuss with 3+ people you have never met before)
```

```
one way to tell your computer to print Hello World!
class HelloWorld {
  public static void main(String[] args) {
     System.out.println("Hello, World!");
  }
}
```

activity: what is "good code"? or, if you're feeling negative, what is "bad code"?

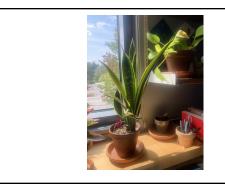
(discuss with 3+ people you have never met before)

the only time we'll take roll

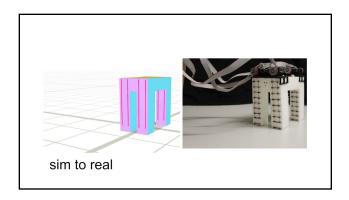
hello











what is CS 136?

CS 136...

- is a computer science major requirement 🞉
- is a bridge between coding and theory
- is about how you store data
- has harder problems (problems you need a computer to solve!)
- has bigger problems (problems you need more code to solve!)
 - how to organize code
- how to write code that people can read (people includes YOU!)
- good prep for coding interviews 💸
- going beyond "it works" to different measures of "good"
 - speed 🦛
 - space 🐘
 - elegance? 🔆

how to succeed in CS 136

how to succeed in 136 (1/3)

- establish basic study habits (this might not have been necessary in highschool; it most likely is now)
 - start homework early! (very hard to code well while stressed)
- don't work in a vaccuum
- collaborate with your friends / acquaintences / enemies
- come to help hours (they are there for you!)
- code a lot (ideally, 5+ days per week)
 - if the homeworks are feeling too hard, talk to me; we have resources!
 - if the homeworks are too easy, do the bonus problems; do side projects; just keep coding; code code code code

how to succeed in 136 (2/3)

- try to find your own bugs
 - this is a huge skill; it takes time (and pain) to build
- try to answer your own questions using Google ("what does IDE stand for?"; "what does this error message mean?")
 - this is also a huge skill; it also takes time (and pain) to build
- however, if you are stuck (>= 10+ minutes of pain), ASK FOR HELP
- there is literally no judgement here; we all have different starting points; my only goal is for all students to get stronger and have fun 🙂
 - and, for what it's worth, i was a mechanical engineering undergrad and my first comp sci course was *terrifying* (though, eventually, fun)

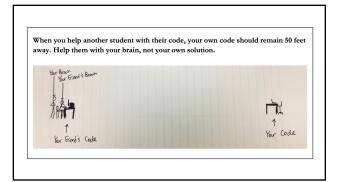


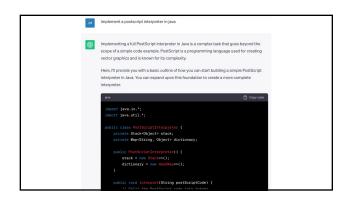
disclaimer

i taught this class last semester, and i am making some changes let me know what you think

look at website

review collaboration policy





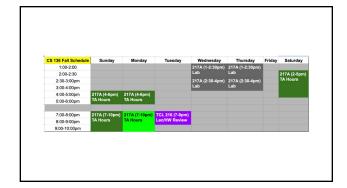
ChatGPT, etc. are "allowed," but...

- you absolutely positively 100% cannot copy and paste code
- unless i gave you the code then it is A OK 😊 👍
- use at your own risk
- exams will be in-person and on-paper
- exams will specifically test knowledge of the homework

course resources!

people

- 1 Jim
- Lectures, Lab, Help Hours
- 1 Lida
- Email
- 12 TA's
- Help Hours, Lab
- Our goal is to help every student succeed in CS 136. I don't forsee any issues, but feel free to let me or Lida know if anything comes up ② d



we have great resources (if you use them)

- Help Hours
 - TA Help Hours
 - Jim Help Hou
 - Lecture / Homework Review
 - if, at any point during the course, you want some extra review of lecture or homework, please attend ② 👍
 - could come every week
 - could come the week after you were sick
 - could come on a week where your background is weaker

end on an upbeat note

this course will give you the power to make things!

what do you want to make?



let's do
Tutorial-00
now %