

# Welcome to CS 61BL

## LAB 1 !!!!!

**Lab 111**  
**Ryan Purpura**

**Feel free to sit wherever, but don't anchor yourself in:  
we will be shuffling shortly!**



# Announcements

- \* Project 0 (The Enigma) is released! It is a solo project and is due on Friday.
- \* Presemester survey due Friday for one point of extra credit
- \* Quiz on Friday in lab



# Who we are

- \* Hi, I'm Ryan!
  - \* Year: Rising junior
  - \* Major: EECS
  - \* From: Anaheim, CA
  - \* Hobbies: programming (of course), listening to podcasts, listening to music, cooking, and more
- \* Tutor and AI introductions



# Who you are (Ice breaker)

- \* Name, preferred name
- \* Year
- \* Major
- \* Where you're from
- \* What have you done so far this summer break



# Logistics

- \* This is a lab-centric class!
  - \* You will do the bulk of your learning here.
- \* Labs are due 22 hours after the beginning of the lab
- \* Specific to this lab: 10am-1pm on Monday,  
11am-2pm T/Th/F
- \* This class moves **fast**, especially over summer.  
We're here to help!



# More Logistics

- \* You will have 8 lab slip days
  - \* You can use at most one on a lab to extend the deadline by 24 hours
- \* No slip days for projects
- \* Worksheets on M,T,&Th (due at end of given lab), Quiz on Friday (no worksheet today)



# Partnerships

- \* Collaboration is at the heart of computer science!
- \* The labs and (most of) projects are to be completed with partners
- \* The first week, you *must* have a new partner every day!
- \* Afterwards, you can pair up with whoever you like



# Git

- \* Git is a Version Control System (VCS)
- \* It keeps track of changes to files in snapshots called “commits”
- \* It’s up to you to tell git which files to track and to make commits.
- \* Much more + how to use covered in the lab!



# Java Demo



All code exists  
in a class

The entry point to  
a Java program

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("hello world!");  
    }  
}
```

```
int year = 2019;
```

Required semicolons

() & {} for if

```
if (year >= 2000) {  
    System.out.println("We survived Y2K");  
} else {  
    System.out.println(  
        "The year is " + year);  
}
```

Explicit type declarations\*  
(see [here](#) for completeness)



# Java Conventions aka how to get not yelled at during a code review

- \* Variable & method names are **camelCased**
- \* Class names are **CapitalCamelCased**
- \* Constants are **ALL\_CAPS**
- \* Indenting is not required for the compiler, but anyone who doesn't indent their code is a monster