

# CSE 11

# Accelerated Intro to Programming

## Discussion Section 1

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This discussion is being recorded

# Logistics

- Office hours: Friday 3pm - 4pm
  - <https://ucsd.zoom.us/j/7072038997>
- Email: aybiswas@ucsd.edu

# Logistics

- Section attendance is not mandatory
- Section recordings will be made available on canvas
- Slides will be uploaded to github
  - <https://github.com/ucsd-cse11-sp21/ucsd-cse11-sp21.github.io>

# Java

- Setting up your environment: Complete PA 0.5 ASAP
  - Come to tutoring hours if things aren't working properly
  - Make sure you and the tutor helping you are working on the same operating system
- CloudLabs example run

# Lecture recap

```
class DiscussionExample{  
    int x = 1 + 1;  
}
```

- `class DiscussionExample:`
  - Declare a class called `DiscussionExample`
  - File name should match class name: `DiscussionExample.java`
- `int x = 1 + 1;`
  - Declare a field called `x`
  - `x` is of type `int` (stands for integer values)
  - `x` has value `1 + 1`

# Methods

```
class DiscussionExample{  
    int x = 1 + 1;  
    int exampleMethod(int y, int z) {  
        return this.x + y + z;  
    }  
}
```

# PA 1

- Just released, due next Wednesday at 11:59pm PST
- Write a few methods
- Problem 1: Perimeter
  - Given the width and height of a rectangle, compute its perimeter
- Problem 2: Border Area
  - Given the width and height of two rectangles, compute the area of the region between them
- Problem 3: Converter
  - Write some conversion. For example, Fahrenheit to Celsius
  - Keep in mind the return value should be an int as well

# PA1 cont'd

- Problem 4: Combiner
  - Combine two integers into one. For example, feet and inches into inches
  - Again, keep in mind the return type requirement
- Testing:
  - Can assign the return value of a method to a variable and use `run` or `run.bat` to view the result
  - `int result = exampleMethod(1, 2);`
- Submission:
  - Upload `DesignRecipeExamples.java` to gradescope



Thanks!