

CSE 11

Accelerated Intro to Programming

Discussion Section 1

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This discussion is being recorded

Shihua Lu

- Office hours: Friday 11am - 12pm or by appointment
 - <https://ucsd.zoom.us/j/4815370544>
- Email: s5lu@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

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!