

# CSE 121

Elba Garza

Winter 2023

Join at  
**slido.com**  
**#4094 814**



# Announcements, Reminders

- Quiz 2 - February 23<sup>rd</sup> – 24<sup>th</sup>, 00:01 to 23:59 (**TONIGHT!**)
  - Take-home, same exact format as usual, and no longer!
  - Open for 48 hours, start any time & given 1.5 hours to finish; Accommodations still apply.
  - No retakes though!
  - Can work together; must state with whom!
  - **Will send out more information (logins/links/etc.) tonight!**
- Creative Project 3 out tonight; due February 28<sup>th</sup> at 11:59 PM
- Resubmission Form for R5 out soon; due February 28<sup>th</sup> by 11:59 PM

# Announcements, Reminders

- Quiz Retake on Tuesday, February 28th:
  - Retake Form out soon; due Sunday Feb 26<sup>th</sup> at 11:59 PM
  - Eligible Quizzes:
    - Quiz 1 - 3rd and final opportunity!
- Quiz 0 retakes grading... sorry, didn't get to it this weekend! 🙄

# Last Time

- User Input

`Scanner` `console` = `new Scanner(System.in);`  
type            name            Scanner construction code

- Scanner class

- Methods:

- `console.next()` - asking the user for one singular token as input.
  - Token: a unit of input separated by some whitespace (e.g. space, tab, newline!)
- `console.nextLine()` - input that can be multiple words, separated by spaces!
- `console.nextInt()` - asking the user for an `int` value as input
- `console.nextDouble()` - asking the user for a `double` value as input
- If methods don't receive correct input → Exception!

# Plan for Today

```
Scanner fileScan = new Scanner(<File object>);  
Scanner console = new Scanner(System.in);
```

type                      name                      Scanner construction code

- File Input/Output

- New class used: `File` (need to warn about exceptions!)
  - Need to import `java.io.*`
- Scanner Methods using Files:
  - `fileScan.hasNext()` - Returns true if the Scanner contains another token of input, returns false otherwise.
  - `fileScan.hasNextInt()/hasNextDouble()` - Returns true if the Scanner's next token of input is a(n) `int/double`, returns false otherwise.
  - `fileScan.hasNextLine()` - Returns true if the Scanner contains another line of input, returns false otherwise.
  - `fileScan.next()` - Scans and returns the next token of input from this Scanner.
  - `fileScan.nextInt()/nextDouble()` - Scans and returns the next token of input from this Scanner as a(n) `int/double`.
  - `fileScan.nextLine()` - Scans and returns the next line of input from this Scanner.