CSE 121 – Lesson 13

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Autumn 2023

Music: [121 23au Lecture Tunes](#) 🌧️

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TAs:	Trey	Christina	Sahej	Vinay	Kriti
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	Annie	Janvi	Jonus	Shreya	Vivian
	Jasmine	Arkita	Lydia	Andy	Nicole
	Christian	Vidhi	Luke	Nicolas	Simon
	Lucas	Ritesh	Andras	Shayna	Jessie
	Logan	Hibbah	Archit	Hannah	Lydia
	Jacob	Julia	Ayesha	Aishah	Yijia

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Announcements, Reminders

- C3 will be released later today
  - Due Tuesday, Nov 21

- Quiz 2 tomorrow in Quiz Sections!
  - Conditionals, while Loops, User Input (Scanner)

- Next week:
  - Tuesday: section cancelled
  - Wednesday: lecture optional (Lead TA Nic will be teaching!)
  - Thursday, Friday: University holidays (campus is closed)
  - IPL: reduced staffing Mon, Tues, Wed (maybe partial day); closed Thurs-Sun

- Final Exam: **Wednesday, December 13 12:30pm-2:20pm**

Formative Feedback: Closing the Loop

The Good…

- Resubmission Opportunities

- Pre-Class Work

- In-Class Demos & Slido Questions

- Quiz Sections

- IPL

Formative Feedback: Closing the Loop

Suggestions…

- More practice problems for Quizzes

- Vocabulary List
  - Post requests in the pinned Ed post!

- Approximations of how long an assignment should take…
  - Tell us why in the (other) pinned Ed post!
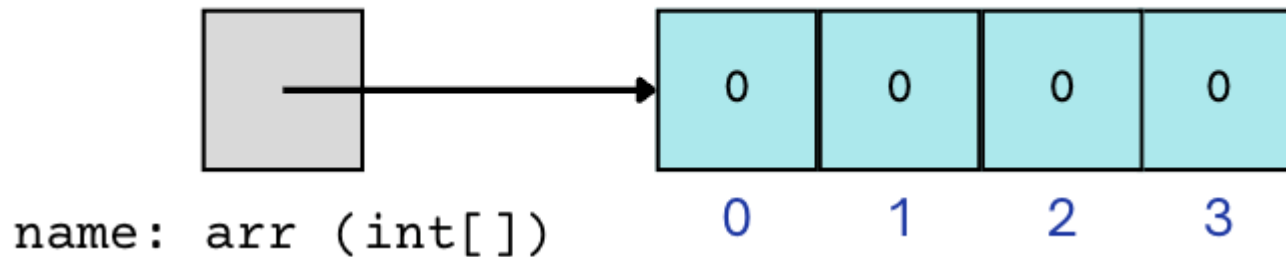
Formative Feedback: Closing the Loop

Reminders…

- Practice Problems & Resources tab

- Reading technical specifications is a skill!
  - For those curious…this was one of my technical specification at Microsoft…

(PCM) Arrays

- Elements (must all be the same type)

- Indices (starting at 0)

- Must decide size when created

- `arr.length` to get arr's length

- `Arrays.toString(arr)` to get a nice String version

`int[]` type `arr` name `=` `new int[4];` array creation code

```
int[] arr = new int[4];
```


name: arr (int[])

| 0 | 0 | 0 | 0 |
| 0 | 1 | 2 | 3 |

(PCM) Array Traversal Pattern

```java
for (int i = 0; i < arr.length; i++) {
    // do something with arr[i]
}
```

Poll in with your answer!

How can we get the last element of
an array `arr`?

A.`arr[arr.length()]`

B.`arr[length()]`

C.`arr[arr.length]`

D.`arr[arr.length() -1]`

E.`arr[arr.length - 1]`

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