

LEC 03

CSE 123

Linked Nodes w/Loops

Questions during Class?
Raise hand or send here

sli.do #cse123



BEFORE WE START

Talk to your neighbors:

What's the last TV show or movie you finished?

[Respond on sli.do!](#)

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Music: [CSE 123 26su Lecture Tunes](#)

Lecture Outline: Announcements

- **Announcements** 
- Iterating over ListNodes

Announcements

- Great job on Quiz 0!
 - Expect grades before Quiz 1, but we need to wrap up makeup quizzes first
- Programming Assignment 0 feedback will be released later today!
- Resubmission Cycle 0 opens today, closes this Friday, July 10
 - Normally resubmissions will be open Mon – Fri each week
- Creative Project 0 due tonight, July 8 at 11:59pm!
- Programming Assignment 1 releases tomorrow
 - One of the trickier assignments in the course
 - 2 weeks to complete this one! Feel free to take a breather if necessary but get started sooner than later.

Lecture Outline: Iterating over ListNodes

- Announcements
- Iterating over ListNodes ◀

ListNode chains

- Recall the ListNode class:

```
public class ListNode {  
    public int data;  
    public ListNode next;  
}
```

- How would we find the fourth value in a chain?

```
node.next.next.next.data
```



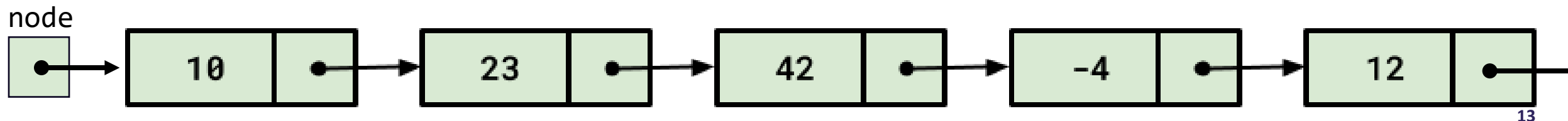
Longer ListNode chains

- Recall the ListNode class:

```
public class ListNode {  
    public int data;  
    public ListNode next;  
}
```

- How would we find the 100th value in a chain?

`node.next.next.next.next.next.next.next...`



Iterating over ListNodes

- General pattern iteration code will follow:

```
ListNode curr = front;  
while (curr != null) {  
    // Do something  
  
    curr = curr.next;  
}
```