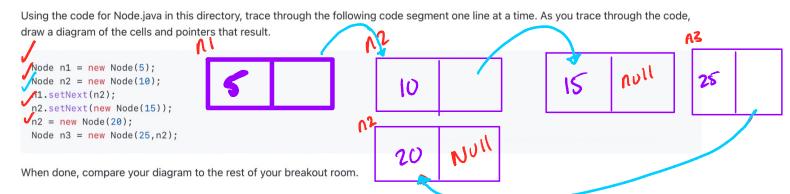
∂ part 1

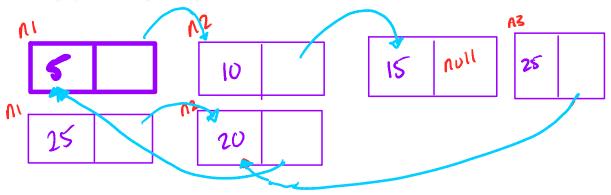


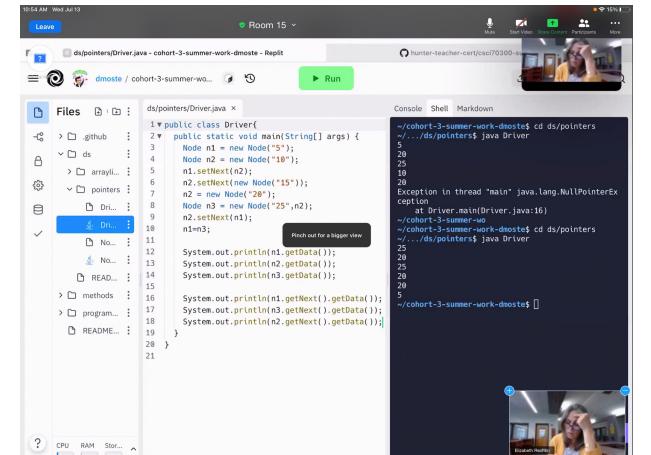
∂ Part 2

Copy over your diagram from part 1 and continue to modify it by tracing through these lines of code:

```
n2.setNext(n1);
n1=n3;
```

Once again, share the diagram with your room.





∂ Part 3

Given this diagram:

There already exists a Node variable P which points to (refers to) the node with the 5 in its data.

Write a code fragment to:

- 1. Create a new Node variable set it to point to the node with the 10 in it.
- 2. Create a new Node variable and instantiate it to a new Node with a value of 30.
- 3. Write the code to insert this new Node between the 10 and the 15

Scan or take a photo of your work and upload to your ds/Pointers folder/directory. Name the file pointers.png, pointers,pdf, pointers.gif, or pointers.jpg depending on the file format.

```
ds/pointers/Driver.java ×
                                                          Console
                                                                  Shell Markdown
1 ▼ public class Driver{
                                                          ~/cohort-3-summer-work-dmoste$ cd ds/pointers
      public static void main(String[] args) {
                                                          ~/.../ds/pointers$ java Driver
                                                          5
3
        Node n1 = new Node("5");
                                                          20
 4
        Node n2 = new Node("10");
                                                           25
 5
        n1.setNext(n2);
                                                          10
6
        n2.setNext(new Node("15"));
                                                          Exception in thread "main" java.lang.NullPointerEx
 7
        n2 = new Node("20");
                                                          ception
8
        Node n3 = new Node("25", n2);
                                                               at Driver.main(Driver.java:16)
9
        n2.setNext(n1);
                                                          ~/cohort-3-summer-wo
10
        n1=n3;
                                                          ~/cohort-3-summer-work-dmoste$ cd ds/pointers
                                  Pinch out for a bigger view
                                                          ~/.../ds/pointers$ java Driver
11
                                                          25
12
        System.out.println(n1.getData());
                                                          20
13
        System.out.println(n2.getData());
                                                          25
14
        System.out.println(n3.getData());
                                                          20
                                                          20
15
                                                          5
16
        System.out.println(n1.getNext().getData());
                                                           ~/cohort-3-summer-work-dmoste$
17
        System.out.println(n3.getNext().getData());
18
        System.out.println(n2.getNext().getData());
19
      }
20
21
```