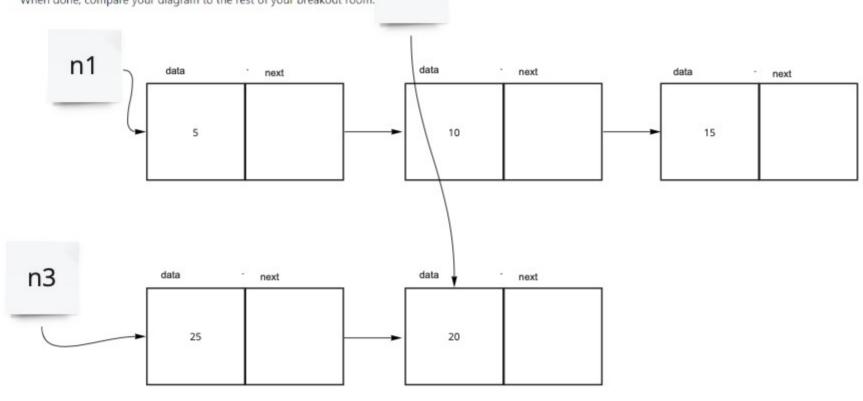
## part 1

Using the code for Node.java in this directory, trace through the following code segment one line at a time. As you trace through the code, draw a diagram of the cells and pointers that result.



When done, compare your diagram to the rest of your breakout room.

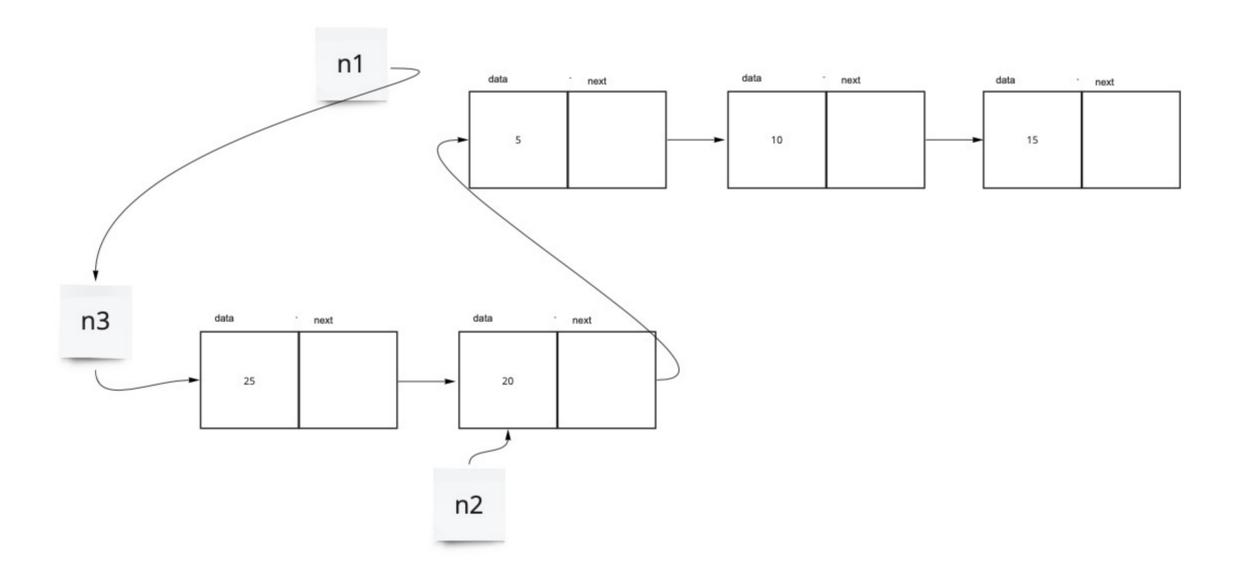


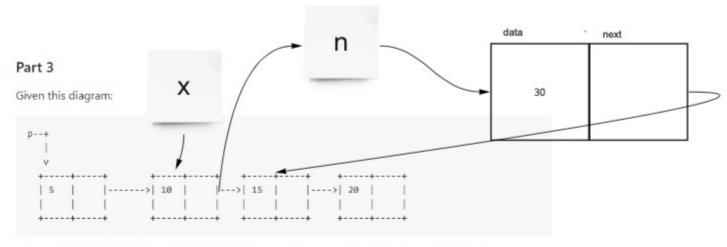
## Part 2

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.





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

Node x = p.getNext();

Node n = new Node(30)

p.getNext().setNext(n); n.setNext(x.getNext())