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Assuming you have a zero-argument constructor for Node, write the constructor for the entire MyLinkedList class such that you end up with the above diagram.

```
public MyLinkedList(){
   head = new Node();
   tail = new Node();
   head.next = tail;
   tail.prev = head;
   size = 0;
}
```

2 Write the method body for the getNth method.

```
private Node getNth(int index){
   Node x = head;
   for (int i=0; i<index; i++){
   x = x.next;}
   return x;
}</pre>
```

3 Fill in the following methods listed in this anonymous class: (For the prelab you may ignore throwing exceptions for going too far.)

```
return new ListIterator<T>(){
   ListIterator<T>();
   return this;}

public boolean hasNext(){
   return ListIterator.hasNext();
  }

public T next(){
   if (ListIterator.hasNext()) return ListIterator.next();
```

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```
public boolean hasPrevious(){
  if (currentNode==Null) return false;
}

public T previous(){
   if (hasPrevious){
     previous = currentNode
     currentNode=current.prev
     return currentNode
   }
}
```

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