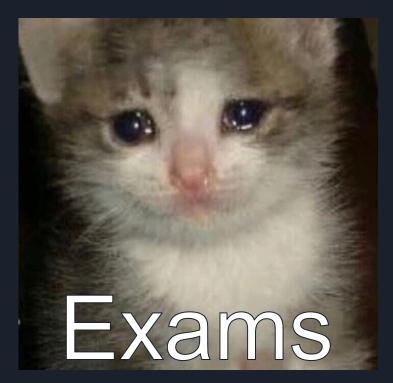
CS 314 Discussion



Problems

- Main Problem
 - GenericList
- Extra Problem
 - Extra Data Structure



fr this time though

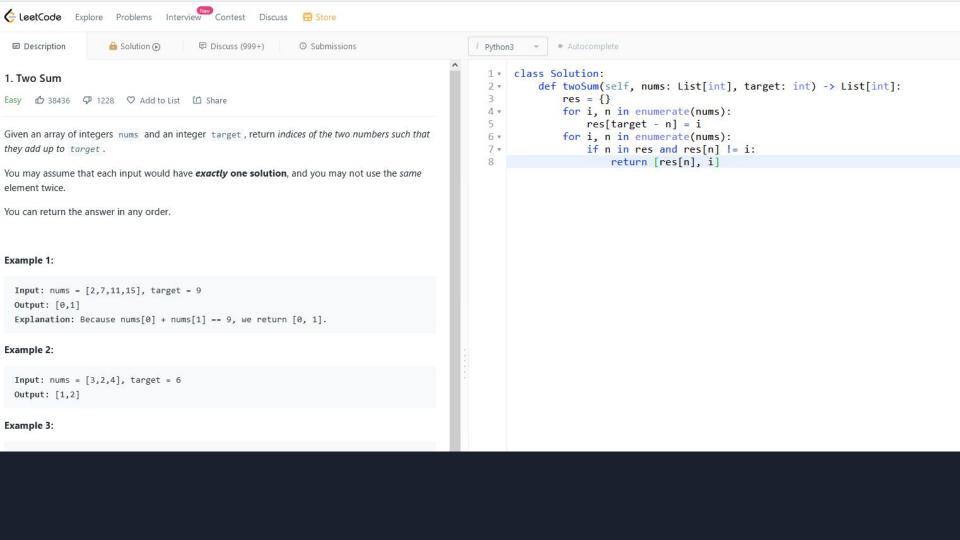
Exam Stuff

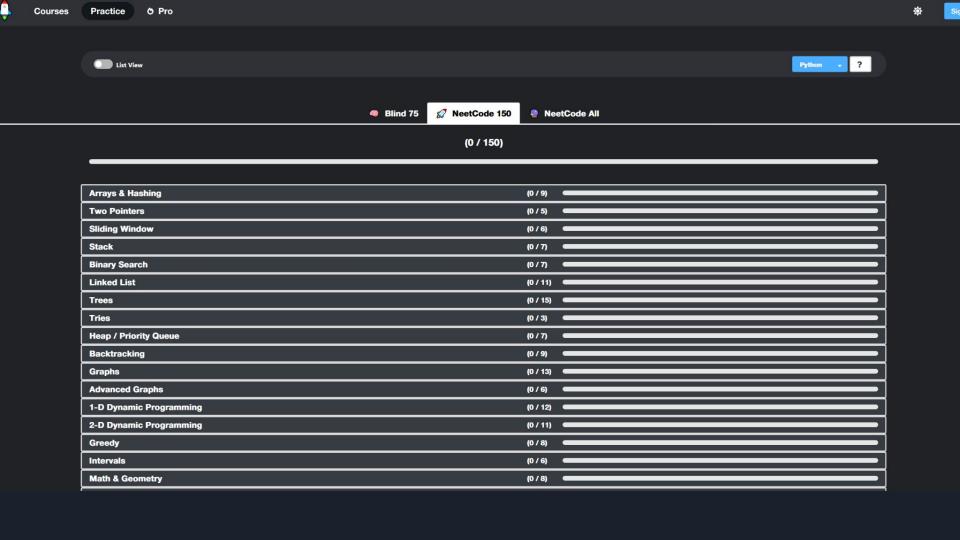
- Exam Structure
 - 25 Short Answer
 - 3 Coding Questions
- No questions during exams. Write down your assumptions if confused
 - Doesn't mean we'll grade based on your assumption
- Keep note of time. A fair # of students don't attempt some coding questions

```
public int trimEqualBacks(GenericList<E> other) {
    int indexThis = size - 1;
    int indexOther = other.size - 1;
    int result = 0;
   while (indexThis >= 0 && indexOther >= 0 &&
            container[indexThis].equals(other.container[indexOther])) {
        result++;
        container[indexThis] = null;
        indexThis--;
        other.container[indexOther] = null;
        indexOther--;
    size -= result;
   other.size -= result;
   return result;
```

```
public int trimEqualBacks(GenericList<E> other) {
    int oldSize = size;
    while (size > 0 && other.size > 0 &&
            container[size - 1].equals(other.container[other.size - 1])) {
        container[indexThis] = null;
        other.container[indexOther] = null;
        size--;
        other.size--;
   return oldSize - size;
```

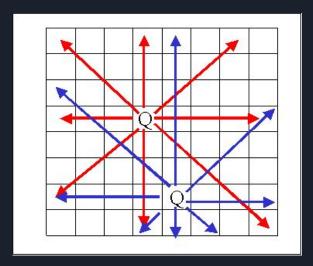
```
public boolean removeSingleOccurrence(Object tgt) {
   for (int i = 0; i < numberOfElements; i++) {
        if (tgt.equals(elements[i]) {
            numberOfElements--;
            elements[i] = elements[numberOfElements];
            elements[numberOfElements] = null;
            return true;
    return false;
```





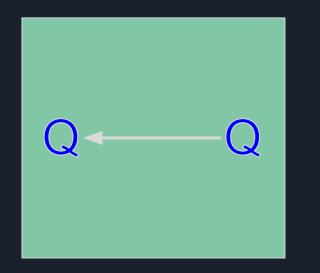


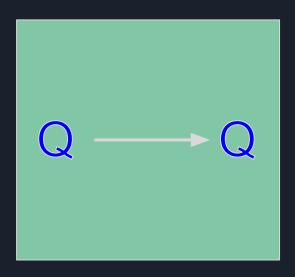
- Relevant Directions
- Parameterized Row/Col Solutions
- Slope Method

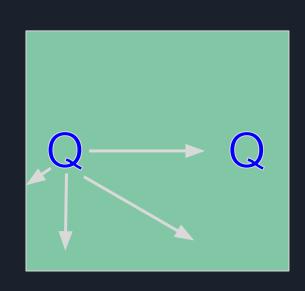


Directions

• Only need to check 4 directions







Directions

 You can use an array to store the different changes in rows and columns

