LEC 03:

CANCEL 03

CSE 122

ArrayList Continued

Questions during Class?
Raise hand or send here

sli.do #cse-122
Lecture Outline

• Announcements

• Warm Up

• Large Example
  - Helpful for Creative Project 0
Announcements

• Quiz 0 will be held in your quiz section on Tuesday (Oct 11)
  - Details and logistic information in announcement

• Programming Assignment 0 (P0) was due on yesterday (Thursday, Oct 6)
  - You can expect grades and feedback to be released sometime around Thursday next week

• Creative Project 0 will be released later today
  - It will be due next Thursday (Oct 13)
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topN

Write a method called topN that accepts an ArrayList of characters list and an int n and returns a new ArrayList of characters that contains the first n elements of list.

For example, if list contained ['g', 'u', 'm', 'b', 'a', 'l', 'l'], a call to topN(list, 4) would return an ArrayList containing ['g', 'u', 'm', 'b']
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Movie Favorites

We will write a program called MovieFavorites.java that manages a list of favorite movies for a user (using an ArrayList) and allows the user to perform various different operations on their stored list of favorite movies.
Movie Favorites Operations

• Load a list of favorites in from a file provided by the user.
• Compare the stored list of favorites to another list of favorites provided by the user in another file.
• Report the top $n$ favorites according to the list, where the user can specify $n$.
• Move a specific favorite down in the list
• Save the current list of favorites to a file provided by the user.
• Add a list of favorites in a user-provided file to the stored list of favorites at a specified location.
Movie Favorites: Development Strategy

• Set up main scaffold code
• Menu loop
• Each behavior, one at a time

You’ll see a similar development strategy in Creative Project 0’s specification – we recommend you follow it!
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PrintStream

Allows us to print to an output file.

```java
PrintStream output = new PrintStream(new File("output.txt"));
output.print("hi");
output.println("hello");
```
addAll

Write a method called `addAll` that accepts two ArrayLists of Strings `mainList` and `otherList` and an integer `location` as parameters and inserts all of the elements from `otherList` into `mainList` at the specified `location`. 