

CSE143X Lecture Questions for Monday, 11/2/20

Time (e.g., 12:45)	Question	Answer
1:00	Other IDEs people use NOT in the survey last week: - Microsoft VS-Code	
14	The issue with using the iterator and changing the set will happen even for Lists right?	Yes, if you used an iterator on a list you would see the same issue.
35:20	I remembered seeing this in a Japanese Game Show I watched once. Who said watching TV is a waste of time :D https://www.dailymotion.com/video/x6crb04	
41	What if you're friends with two different Ashleys for example? Would you still want a set? Then what would be a preferred data type if you did have duplicates So still use a set but just manipulate the input data to work with sets rather than choose a different data type than set? okay	This is a simplified example where we assume that the first names are unique. Obviously it wouldn't work if we had two people named Ashley. I should have mentioned that. If you have name duplicates you want a unique key like social security number. It would be much more complex program that dealt with some kind of "person" type that had multiple bits of data (name, ss#, etc).
21	What is the difference between a TreeMap and a HashMap?	We will discuss that later in the course.
15	After we are removing the multiples of 3 using the itr.remove do we still need to store the itr.next in the local variable n?	No, given that we only examine it once to see if it is divisible by 3, we could get rid of the variable n if we wanted to.
49	You added to the set of friends after adding it to the map and the change was reflected by the map, does that mean that the map has a reference to the actual set then?	Yes, the map associates each name with the reference to the set of friends constructed for that person.

23	<p>Before you added the Map<String, Integer>.... What does count.add(next) do? Is that a method already in Java or something we have defined previously?</p> <p>Got it.</p>	<p>Originally count was declared as a set. That line of code added the word to the set of words. It's defined in the TreeSet class.</p>
51	<p>Is there a reason you negate the map.containsKey rather than swapping the order of the code inside the if else</p> <p>Okay sure</p>	<p>Either approach works, but I'd rather see the code that is executed the first time the word is seen before the code that is executed for the later occurrences of the word.</p>
	<p>When you add some data to a set, why the set need to sort them automatically?</p> <p>gotcha.</p>	<p>The set doesn't need to sort them. Different sets are implemented in different ways. But TreeSet is implemented in such a way that it sorts.</p>