

CSE143X Lecture Questions for Wednesday, 10/14/20

Time (e.g., 12:45)	Question	Answer
17:00, 20:04, 43:51	Screen blacks out for 2 seconds.	I'll report it.
	I really like how the information was laid out in this lesson. The discussion of how to swap variable values, how to iterate to the middle of an array, was sprinkled throughout. Finally, all the pieces gradually came together to reverse an array.	Thanks.
23:42	What do you mean "probably" the memory location? How can Java be unsure of something like that?	The point is that Java makes no guarantees. It says in the documentation that, "This is typically implemented by converting the internal address of the object into an integer, but this implementation technique is not required by the Java™ programming language."
	just to double check my understanding, passing the entire array passes the reference, but passing say arr[0] to a function is just passed by value (treated as a normal int)?	Yes. When you pass something like arr[0] it's treated as a simple int (value semantics).
19:48	What's the difference between numbers[2]++, ++ numbers[2] and numbers[2] = numbers[2] + 1?  I'll check that.	You can answer the question by substituting "x" for "numbers[2]." So you're asking about 3 ways to increment a variable. They all have the same effect, although they return different values as an expression.
	Do strings use reference semantics?	Yes.
26:00	How would you print an array without the brackets at the start/end?	The chapter does this as an exercise. You can write your own traversal loop rather than calling the built-in Arrays.toString.