

## EECS1022 Winter 2021 Questions for Exam

**Note: This question sheet is available until 5pm, Thursday 15.**

1. How many questions will there be and how long is the exam?

**Jackie's Response:** Please check your exam PDF guide.

2. Will we have the same exam as section O? Why do they start at 9:10 (according to York's exam schedule)? They covered the switch statement, exceptions and try/catch/finally, will our exam have this?

**Jackie's Response:** Topics that you mentioned covered in Section O but not M&N will not be covered in the exam.

3. Will you have questions such as "Choose all those arrays such that, despite the logical error, the console outputs happen to be correct."? Why are the given arrays so long? It makes it easy to miss something. Why not a 2x4 array, anything smaller.

Some of the multiple choice questions have over a dozen possible choices. For what reason?

Some of your questions don't test the material in a straightforward way, but are meant to trip you up.

i'll have over 95% going into the exam. I know the material. But these multiple choice questions are annoying.

**Jackie's Response:** These questions were designed to test your understanding. Sorry to hear that you find them annoying.

4. Hello professor! My questions are not about the exams they are about my confusion with API classes. Here are my questions :

(1) In the week 12 tutorial, we created a method called `indexOf`. I was wondering, why didn't we use the ArrayList method `indexOf`, instead?

(2) For the `random()` method in Math class, how do we find a random number between 2 numbers other than 0 and 1. i know about the multiplication but how do we find a number between lets say 5 and 48?

(3) In the ArrayList class, why does `add(E e)` method, have the return type boolean?

Thank you!

**Jackie's Response:** No problem - I will cover them all.

5. Are we going to have the same exam as section o ?

**Jackie's Response:** Please check your exam PDF guide.

6. Hi, professor, I have some questions from the practice final exam and my written test 3. I don't know if you can answer it in the review session. And I may not be able to attend the session since I am in a different time zone. But if you can answer it, I will be so appreciate to watch the recordings. Here are my three questions:

- (1) `p.getDistanceFromOrigin();` this is a correct option, but I think it will have compiling error, because `getDistanceFromOrigin()` is a accessor method with a return value. And this option does not assign this return value to any variable.

**Jackie's Response:** Will discuss this - but the idea is that you should use accessor calls as values, but putting them stand alone would actually not result in any compilation errors (the computation is done, but it's just that the result is not used at all).

- (2) On the practice final exam, I saw a method called: `Collections.sort()`. And this is not covered in your lecture, so in the final exam will this be covered?

**Jackie's Response:** No, `Collections.sort()` will not be covered.

- (3) Or many methods related to `ArrayList` and `HashTable` which are not mentioned in the lecture will be covered?

**Jackie's Response:** Mainly the methods that we covered in lecture and tutorials will be covered. In case any methods you haven't seen, their API summary will be provided to you.

- (4) `String a = "Hello"; String b = "Hello"; System.out.print(a == b);` the correct answer to this is: true. But I think it should be false. Because `String` is a reference type and `"=="` compares the address not the value. So in my opinion, the answer is supposed to be false. Could you explain this please?

**Jackie's Response:** I will!