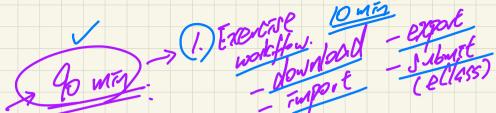
EECS2030 Advanced Object-Oriented Programming
(Fall 2021)

Q&A - Lecture 2b

Wednesday, October 6

Lettures 2a W3 26 W4 3 <u>ws</u> Lo released after P.T. I. No scheduled TA sessions during reading week.

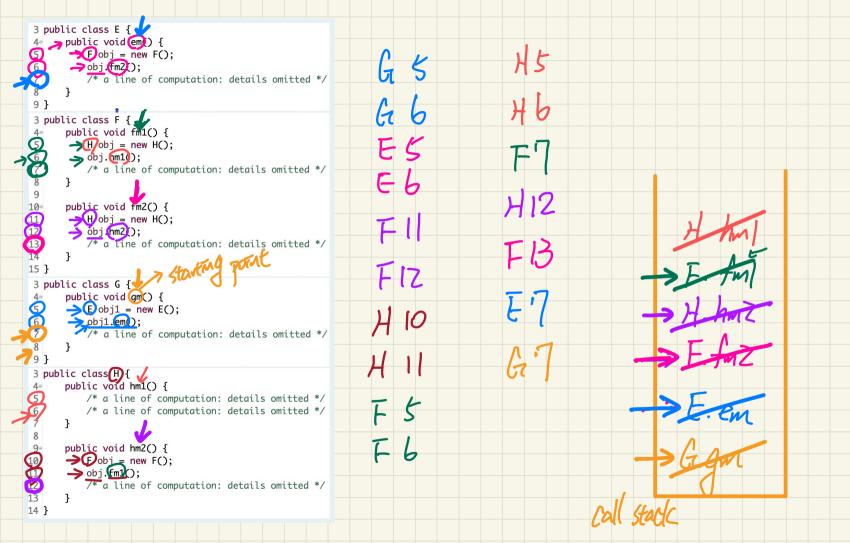
Announcement



- Programming Test 1 Guide & Practice (released: Sep. 29)
- Tutorial Video on Lab1 Solution Walk-Through
- Lecture W4 (released: Sep. 27)
- Lab2 (released: Oct. 1; due: Oct. 15)



| 1 | on p0 = new Person("Suyeon"); on p1 = new Person("Yuna"); on p2 = new Person("Sunhye"); on p3 = new Person("Jihye"); (p2) | How many altases are for a person's name from the input string. Consider the following fragment of Java code (inside some main method): How many altases are for a person of the person | |
|--|---|--|--|
| | or \$[5] = [p0;] em.out.princln("Done!"); | | |
| Say in Eclipse we place a breakpoint at Line 5, right after creating the four person objects. | | | |
| By launching the debugger, the execution pauses right before executing Line 5. Assume that by inspecting the addresses of the four person objects, we have | | | |
| <u>p0</u> stores the address: Person@08 p1 stores the address: Person@09 | | | |
| • p2 stores the address: Person@10 • | | | |
| • p3 stores the address: Person@11 • | | | |
| Say we continue with the execution and step over all the way to Line 1) (after executing Line 5 to Line 9). At this point of runtime execution, inc cate the address of each of the following expressions. | | | |
| | | ¥ | |
| p3 | Choose | | |
| p1 | Choose ÷ | Peron (2) Of | |
| p2 | Choose ÷ | | |
| persons[2] | Choose \$ | YOUR RESOL | |
| persons[1] | Choose ÷ 70 | map will be with the wi | |
| persons[3] | Choose ÷ | Mane + Juna | |
| р0 | Choose \$ | Vega ACIO | |
| persons[0] | Choose \$ | Para CII | |
| | ח וווווווווווווווווווווווווווווווווווו | (Bright World) | |
| | | 1/1 10 1 50 X 5 X 5 X 5 X 5 X 5 X 5 X 5 X 5 X 5 | |
| | | MANYE 17 MANE 17 JANYE | |
| | | | |
| | | | |



| Now, in the context of some <u>JUnit Test</u> class, consider the following fragment of code being | grun as JUnit Test and choose <u>all</u> descriptions that are <u>correct</u> . |
|---|--|
| RefurbishedStore rs = new RefurbishedStore | re(); > how many Heratishs! |
| <pre>for(int i = 1) i </pre> rs.getMaxCapacity(); | ++) { |
| /* Product of each entry is expected | to be set later. */ |
| rs.addEntry(new Entry("sn " + i, nul | ()); KJ.90 |
| | and a men a |
| assertEquals(rs.getMaxCapacity() - 1, rs | |
| boolean b = false; | S.es |
| for(int i = 0) i < rs.getNumberOfEntries | |
| b = b && rs.getPrivateEntriesArray() | 1 . getroduct() == nutt, |
| assertTrue(b); | 11 66 |
| AN ASSOCIATION O | errol, do we |
| Hints: • The number of correct answers may be one and may be more than one - consider carefu | 1 |
| Consider the <u>sequential</u> flow of execution at runtime. | THE COUNTY AND THE CO |
| a. No runtime errors will occur. | Ly No 'i D the bounds of |
| □ b. A NullPointerException will occur. | S) NO (V) THE BOMIDS OF |
| ☐ c. None of the listed answer is correct. | pop canter [0, noe -1] |
| ☐ d. An assertion failure will occur. | , , , , , , , , , , , , , , , |
| ☐ e. A different runtime error (other than ArrayIndexOutOfBoundsException, NullPointer | Exception, and assertion failure) will occur. |
| ☐ f. An ArrayIndexOutOfBoundsException will occur. | |
| | (2) b mitialized to |
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| | temp 5th |