

IN-LECTURE QUESTIONS FOR VIDEO 3.4

Note: See the answer key at the bottom of this file.

1. True or False? Lint warnings may not disappear until the Android Lint tool is rerun.
 - a. True
 - b. False
2. The attribute `translatable="false"` in a `<string>` tag prevents what kind of correctness message?
 - a. Console message
 - b. Logcat message
 - c. Lint message
 - d. Devices list
3. I started with a photo that was 2560 by 1920 pixels. I used Lawrence's ImageReducer project to reduce it down to 1280 by 960 pixels. If Android had 3 of these images in memory at the same time, how much memory was required? (**Hint:** Each pixel requires 4 bytes of memory and there are 1024 bytes per kilobyte (KB).)
 - a. 1-3000 KB
 - b. 3000 to 10000 KB
 - c. 10001 to 14000 KB
 - d. 14001 to 17000 KB
 - e. 17001 to 20000 KB
 - f. 20001 or more KB
4. Which of the following prevents lint translation errors if the string entry is defined in the default `strings.xml` and not in the Spanish `strings.xml`?
 - a. `<string name="instructor"></string>`
 - b. `<string name="instructor" translatable="false">Angrave</string>`
 - c. `<string name="instructor" ignore="true">Angrave</string>`
 - d. `<string name="instructor" translate="false">Angrave</string>`
5. Which of the following is a valid Java string? Check all that apply.
 - a. Hello!
 - b. "Hello"
 - c. ""
 - d. "String is a useful thing."
6. True or False? A string stores a sequence of characters, one after another, in memory.
 - a. True
 - b. False

7. The recommended spacing between user interaction (UI) components is:
 - a. 2dp
 - b. 2px
 - c. 4dp
 - d. 4px
 - e. 8dp
 - f. 8px
 - g. 16dp
 - h. 16px
 8. True or False? By default, the activity's onCreate method is called every time the device's orientation changes.
 - a. True
 - b. False
 9. By default, when the device's orientation changes, what will happen to the running ILLIAC app?
 - a. A new Activity object is constructed and its onCreate method is called
 - b. The existing activity is resized and the onCreate method will NOT be called
 10. To export an Eclipse project including all resource and original source code:
 - a. Choose File>Export and select "Android>Export Android Application"
 - b. Choose File>Export and select "General>Archive file"
 11. What is Android Lint?
 - a. It provides fast networking for the emulator
 - b. It scans project source code and resources for potential errors
 - c. It starts the emulator with multiple screen sizes and screen resolutions
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ANSWER KEY:

1. a
2. c
3. d
4. b
5. b, c, d
6. a
7. e
8. a
9. a
10. b
11. b