IN-LECTURE QUESTIONS FOR VIDEO 4.1

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

1. True or False? Android can play mp3 files.
    a. True
    b. False

2. Audio tracks (mp3 files) should be placed in which directory?
    a. res/samples
    b. res/music
    c. res/raw
    d. res/

3. When adding music files to the project, the files should be:
    a. Linked
    b. Copied

4. Which of the following is true for Java variables?
    a. Variables can point to (i.e., hold the memory location of) a media player object
    b. Variables have a name
    c. Variables have a type
    d. All of the other options are correct

5. Which of the following creates a new MediaPlayer Java object?
    a. MediaPlayer guitar;
    b. MediaPlayer.create(this, R.raw.guitar);
    c. MediaPlayer.play(R.raw.guitar)

6. A variable of type MediaPlayer is:
    a. Very large because it contains all of the bytes that we need to play a song.
    b. Like a small luggage address label—it can point to a MediaPlayer but is not actually the media player itself.

7. The line below performs which actions? Check all that apply.

    `MediaPlayer awesome =  MediaPlayer.create(this,R.raw.mysong);`

    a. Creates a new media player.
    b. Creates a new variable named "awesome" that can point to a MediaPlayer.
    c. Initializes the variable to point to the new player.
    d. Starts playing the mp3 file called "my song."

8. Where would you see a semicolon in Java code?
   a. At the end of the file
   b. Only on the first line
   c. At the beginning of every line
   d. At the beginning of each method
   e. At the end of each Java statement
   f. Immediately after the word "class" or "import"

9. Which of the following are valid method names? Check all that apply.
   a. I'm a cat
   b. clickMe
   c. big_red_button_clicked
   d. Big!Red!Button!

10. The default behavior of a button is:
    a. To log a message
    b. To close the app
    c. To open a help screen
    d. To play a sound
    e. To do nothing

11. True or False? In Java, strings (such as a web address) need to be written inside double quotes.
    a. True
    b. False

12. True or False? The purpose of wrapping a web address with double quotes is so that the Java compiler can find where the string starts and ends.
    a. True
    b. False

13. What does the following string contain?   "\""
    a. 1 backslash (\)
    b. 1 double quote (")
    c. 3 double quotes (""")
    d. None of the above; this is not a valid string

14. Which 1 (or more) of the following methods can be called using a button's onClick property?
    a. void doSomething()
    b. public void doSomething(String s)
    c. public void doSomething(View v)
    d. public void doSomething(android.view.View v)
    e. public doSomething(Button)

15. True or False? The fully-qualified class name of View is android.view.View
    a. True
    b. False

16. What is the effect of the following line?

```
// dontcallme.start()
```

   a. The line will start the music
   b. Nothing; the line is a comment line, so its contents are ignored
   c. Nothing; the line of code is not valid Java

17. The start and end of the Java code for a method (its "body") are wrapped inside:
   a. (and)
   b. { and }
   c. [and]

18. The start and end of the Java class are marked by:
   a. (and)
   b. { and }
   c. [and]

19. To add a behavior to a button, which property of the button do you edit?
   a. "On Touch" (or "android:onTouch" if editing the layout xml directly)
   b. "On Down" (or "android:onDown" if editing the layout xml directly)
   c. "On Click" (or "android:onClick" if editing the layout xml directly)
   d. "On Touched" (or "android:onTouched" if editing the layout xml directly)

20. How do you start a comment line?
   a. //
   b. \\
   c. /Comment/
   d. \!\
   e. /!/

21. The Java code to open a web browser has been reordered. Which of the following is the correct order?

```
a. startActivity(i);
   Intent i = new Intent(Intent.ACTION_VIEW);
   i.setData(Uri.parse(url));

b. i.setData(Uri.parse(url));
   startActivity(i);
   Intent i = new Intent(Intent.ACTION_VIEW);

c. Intent i = new Intent(Intent.ACTION_VIEW);
   i.setData(Uri.parse(url));
   startActivity(i);
```

22. True or False? In a single Java class you can have 2 methods both called "emily," provided they have different parameter types. For example:

```
public void emily(View v) { … }
public void emily(String url) { … }
```

   a. True
   b. False

23. True or False? The following code is not allowed inside the same Java class because the method names and parameter types are the same.

```
public void open(View v) { … }
public void open(View v) { … }
```

   a. True
   b. False

ANSWER KEY:

1. a
2. c
3. b
4. d
5. b
6. b
7. a, b, c
8. e
9. b, c
10. e
11. a
12. a
13. b
14. c, d
15. a
16. b
17. b
18. b
19. c
20. a
21. c
22. a
23. a