IN-LECTURE QUESTIONS FOR VIDEO 7.1

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

1. getPreferences(...) returns:
    a. A pointer to a SharedPreference object
    b. An integer primitive value
    c. A boolean primitive value
    d. A pointer to a String object

2. Write the missing code to get a private SharedPreferences.
   ```
   getPreferences(_____)
   ```

3. Which one of the following is true for SharedPreferences getString(...) method?
    a. The method requires one parameter—the key
    b. The method requires one parameter—the default value
    c. The method takes two String parameters—the key and the default value to return if missing
    d. The method takes no parameters.

4. Check all that apply. Which of the following can you get back from SharedPreferences?
    a. String
    b. Image
    c. Bitmap
    d. Activity
    e. boolean
    f. int
    g. Other types not shown in this list

5. Write the missing code.
   ```
   getPreferences(MODE_PRIVATE)._____.putString("flavor","chocol
   ate").commit()
   ```

6. Write the missing code to update the user's favorite flavor to chocolate.
   ```
   Editor e = getPreferences(MODE_PRIVATE).edit();
   e.putString("flavor","chocolate");
   _____;
   ```

7. Which one of the following is true?
    a. `count + 1 = count` is valid code
    b. `count + 1` will increase the value of the count variable by one
    c. `count = 2 + count - 1` will increase the value of the count variable by one
8. Which one of the following creates a TextView object? Assume this code is being executed inside an Activity.
   ```
   a. new TextView(this);
   b. TextView textview;
   c. TextView.create(this);
   ```

9. To set the content using a View variable 'v':
   a. Use `setContent(v);`
   b. Use `setContentView(v);`
   c. It is not possible

10. Check all that apply. Which of the following are valid ways to change the displayed text of a TextView object? Assume 'tv' is a (non-null) TextView pointer and 's' points to a String object.
    a. `tv.setText("123");`
    b. `tv.setText(s);`
    c. `tv.setText(R.string.app_name);`

11. To extract a String literal and turn it into a constant use the _____ menu.
    a. Edit
    b. Project
    c. Source
    d. Refactor

12. Using a String constant (public static final String...), for get... and put... SharedPreference keys:
    a. Is a good practice because it can help reduce the possibility of a bug
    b. Is not recommended

13. Which one of the following is correct?
    a. String constants are usually written in ALL UPPERCASE
    b. By default, Activity implements OnClickListener
    c. String constants must be declared inside the onCREATE method

14. Select none, one, or both. Which of the following are true?
    a. Casting the activity, (OnClickListener)this, will throw a ClassCastException unless activity implements OnClickListener.
    b. OnClickListener is an interface, meaning it is a list of method names, parameters and return types but does not provide an implementation.

15. True or false? If your class implements OnClickListener interface then you must write the methods specified by the interface, even if your methods do nothing.
    a. True
    b. False

16. Which one of the following is true?
    a. Activity is an example of a class; OnClickListener is an example of an interface
    b. OnClickListener is an example of a class; Activity is an example of an interface
    c. OnClickListener is an example of a statement; Activity is an example of a method
    d. OnClickListener is an example of a primitive; Activity is an example of a String

17. Which of the following are correct? **Hint:** There may be more than one correct option.
    a. Text color must be black or white.
    b. Text color can be set using a hexadecimal value.
    c. Android color value describes the alpha (opaqueness), red, green and blue components.

ANSWER KEY:

1. a
2. MODE_PRIVATE
3. c
4. a, e, f, g
5. edit()
6. e.commit()
7. c
8. a
9. b
10. a, b, c
11. d
12. a
13. a
14. a, b
15. a
16. a
17. b, c