IN-LECTURE QUESTIONS FOR VIDEO 5.1

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

1. When using the graphical layout tool, the WebView component can be found under:
   a. Text Fields
   b. Layouts
   c. Composite
   d. Images and Media
   e. Advanced

2. Around 1990, while working at CERN, Tim Berners-Lee invented what is now known as:
   a. the World Wide Web
   b. Random Access Memory (RAM)
   c. Networking
   d. the Java Programming Language

3. The NCSA (National Center for Supercomputing Applications) at Illinois, with the help of CS undergrads, helped popularize the World Wide Web by:
   a. Releasing a cross-platform, free multimedia web browser, "Mosaic"
   b. Creating computer science web pages
   c. Improving download speeds

4. Which of the following are true? Unlike Android app programming, when writing pure-Java programs:
   a. You cannot use 'for' or 'while' loops.
   b. You cannot use 'if' or 'else'.
   c. You need to write a method called 'main' which is the starting point of your Java program.
   d. You cannot create methods or classes.
   e. You cannot use primitive values such as 'int', 'long', 'float', or 'double'.
   f. You need to learn about and use graphics and window classes different from those used by Android apps.

5. The source code of a typical web page is written using:
   a. Java code
   b. Python code
   c. HTML
   d. Assembler

6. `<html><head><title>Hello</title></head><body>Hello world</body></html>` is an example of:
   a. A Java program
   b. A web page written in HTML
   c. Android Manifest
   d. A Library file

7. In a typical HTML web page you will find the `<title>` element inside the:
    a. `<head>` element
    b. `<top>` element
    c. `<body>` element

8. To build an app based on static webpage content, the content should be placed in which directory?
    a. res/
    b. web/
    c. assets/
    d. pages/

9. Which of the following code snippets is in the correct order and uses the correct integer parameters?

```
a. findViewById(R.id.webView1)
   setContentView(R.layout.activity_main)

b. setContentView(R.layout.activity_main)
   findViewById(R.id.webView1)

c. setContentView(R.id.webView1)
   findViewById(R.layout.activity_main)

d. findViewById(R.layout.activity_main)
   setContentView(R.id.webView1)
```

10. True or false? If you create a field (also known as an 'instance') variable (see below), then the variable is part of the activity and will live for as long as the activity.

```
class ABC {
    View pointer;
```
    a. True
    b. False

11. The following variable is declared inside the onCreate method.

```
onCreate(…) {…
View pointer = …
}
```
    This variable is an example of a:
    a. Local variable—it will only exist while the onCreate code is executing.
    b. Field (or instance) variable—it will exist for as long as the Activity exists.
    c. Parameter—its value is passed to the onCreate method.

12. "URL" is short for:
    a. Unnatural Rodent Leg
    b. Uniform Relative Layout
    c. Uniform Resource Locator

13. When developing apps it is useful to:
    a. Make lots of changes before testing.
    b. Make tiny or small changes and test often.
    c. Never test until you have worked for at least 2 days.

14. By default, an unused (unnecessary) import statement:
    a. Generates an error and the app cannot be run.
    b. Generates a warning and the app cannot be run.
    c. Generates an error but the app can still be run.
    d. Generates a warning but the app can still be run.

15. The correct URL to refer to index.html in the assets directory is:
    a. file:///android_assets/index.html
    b. file:///android_asset/index.html
    c. file://android_assets/index.html
    d. file://android_asset/index.html

ANSWER KEY:

1. c
2. a
3. a
4. c, f
5. c
6. b
7. a
8. c
9. b
10. a
11. a
12. c
13. b
14. d
15. b