IN-LECTURE QUESTIONS FOR VIDEO 7.2

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

1. Check all that apply. Which of the following are true?
   a. User Interaction (UI) events are processed sequentially, i.e. before an event can be processed the previous event must be completed.
   b. If an event takes too long to complete, new UI events will become backlogged and the app will appear sluggish and unresponsive.
   c. It's okay to sleep or run a long computation on the UI event thread.

2. Check all that apply. Which of the following are true?
   a. The difference between SystemClock.sleep(1500) and Thread.sleep(1500) is that Thread.sleep may throw an InterruptException but SystemClock does not.
   b. An alternative to sleep()-ing is to post a runnable method on the UI event queue and execute your Runnable method at a later time.
   c. 2000 milliseconds is equivalent to 2 seconds.
   d. The method postDelayed(...) is part of the Activity class.
   e. The method postDelayed(...) returns immediately and the runnable method is queued for later execution.

3. "Runnable" is:
   a. An interface which declares one method 'public void run()'
   b. An interface which declares two methods, 'run()' and 'start()'
   c. A class which defines the method 'run()'
   d. A class which defines two methods, 'run()' and 'start()'

4. Java classes can implement:
   a. Up to one interface
   b. More than one interface

5. Write the missing code to create a new Java object that implements the Runnable interface.
   ```
   new Runnable() { public void _____() { finish(); }};
   ```

6. What does the method finish() do?
   a. Closes the activity
   b. Stops any downloads
   c. Closes open dialogs

7. Write the missing parameter to create a new ImageView inside an Activity's onCreate method.
   ```
   new ImageView(_____)
   ```

8. Write the missing code to add an OnClickListener to the image.
   ```
   OnClickListener doXYZ = new OnClickListener() { public void
   onClick(View v){...} };
   ImageView i = new ImageView(this);
   i._____(doXYZ);
   ```

ANSWER KEY:

1. a, b
2. a, b, c, e
3. a
4. b
5. run
6. a
7. this
8. setOnClickListener