

IN-LECTURE QUESTIONS FOR VIDEO 7.4

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

1. True or false? The code `new OnClickListener() { ... }` creates a new Java Object that implements the `OnClickListener` interface.
 - a. True
 - b. False
2. True or false? To pick an image from the Gallery use an intent with `ACTION_GET_CONTENT` and type `image/*`.
 - a. True
 - b. False
3. To get information back after a child activity completes, start the activity using:
 - a. `startActivity`
 - b. `startActivityForResult`
 - c. `getActivityResult`
 - d. `getActivityResult`
4. After pushing new images into the emulator's external storage location (e.g. `/mnt/sdcard`, `/sdcard`, or another path depending on the device):
 - a. Run the app DevTools/MediaScanner (also known as 'Media Provider' in some devices) before opening the Gallery app
 - b. Open the Gallery—the images will automatically appear
5. Check all that apply. The `requestCode`:
 - a. Can only be one of a few predefined values
 - b. Is arbitrary and defined by you
 - c. Is one of the parameters of `startActivityForResult`
 - d. Is returned back to you in `onActivityResult` so that you can differentiate between different activities that you started
6. Which one of the following expressions will evaluate to true if the child activity completed successfully?
 - a. `resultCode == RESULT_OK`
 - b. `resultCode == REQUEST_OK`
 - c. `requestCode == RESULT_OK`
 - d. `requestCode == REQUEST_OK`

7. Check all that apply. Which of the following are equivalent, i.e. only execute 'doXYZ...' under the same conditions? **Hint:** && means "and", || means "or"

- a.

```
if(requestCode == 123) {  
    if(resultCode == RESULT_OK) {  
        doXYZ...  
    }  
}
```
- b.

```
if(resultCode == RESULT_OK) {  
    if(requestCode == 123) {  
        doXYZ...  
    }  
}
```
- c.

```
if(resultCode == RESULT_OK && requestCode == 123) {  
    doXYZ...  
}
```
- d.

```
if(resultCode == RESULT_OK || requestCode == 123) {  
    doXYZ...  
}
```

8. The method `onActivityResult` includes three parameter values: the int `requestCode`, `resultCode` and a third parameter which is:

- a. An Uri
- b. A File
- c. An Intent
- d. An InputStream

9. Write the missing code to extract the URI from the result intent named 'data'.

```
Uri uri = data._____;
```

10. Write the missing code to create an InputStream object from the Uri object.

```
_____.openInputStream(uri);
```

11. Write the missing code to create an bitmap object from an input stream.

```
_____.decodeStream(stream);
```

12. Write the missing code to set the image bitmap.

```
view._____ (myAwesomeBitmap);
```

13. What do you need to write inside the `catch(Exception oops) {...}` block to log an exception object 'oops' to Android's log?

- a. `oops.printStackTrace();`
- b. `Log.e(TAG, "Some message for logcat", oops);`
- c. `Log.e(TAG, "Something bad happened but I won't tell you what!");`

ANSWER KEY:

1. a
2. a
3. b
4. a
5. b, c, d
6. a
7. a, b, c
8. c
9. getData()
10. getContentResolver
11. BitmapFactory
12. setImageBitmap
13. b