

# Mobile Programming

**Android with Kotlin**

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# Assignments Week-06

# Assignments

- Complete App#1 : Two activities
- Complete App#2 : Send data to activity
- Complete App#3 : Get return values from activity
  - For App#3
    - Override all activity lifecycle callback functions for main & sub activities
    - Add Log message in each callback function, for example,

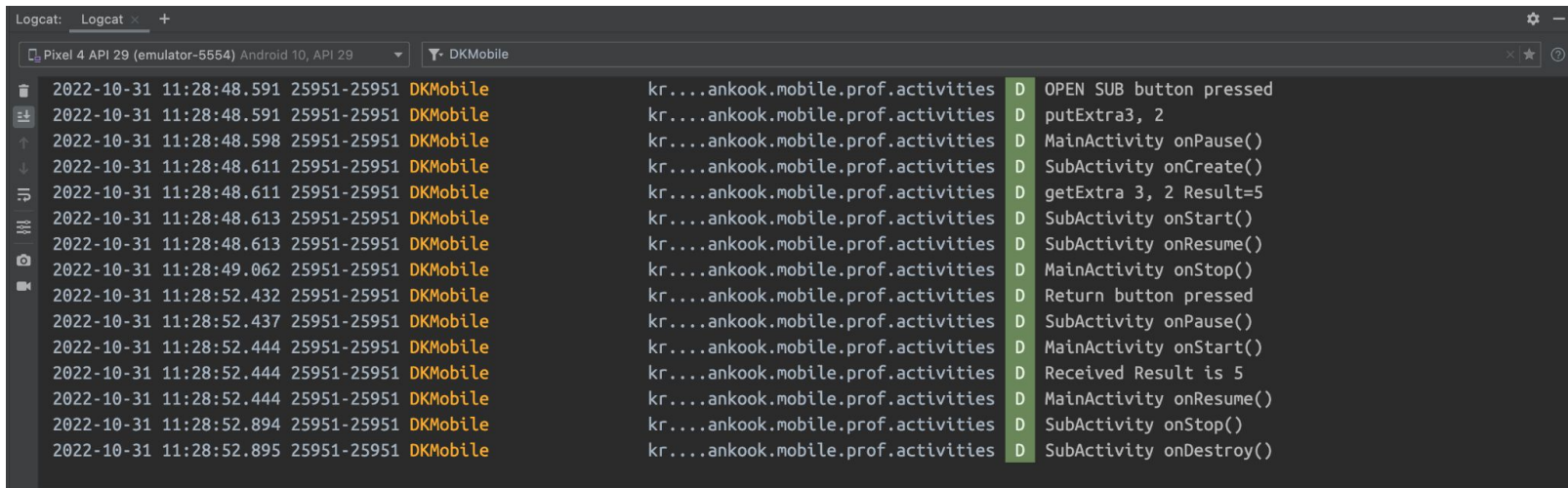
*`Log.d("DKMOBILE", "MainActivity onResume()")`*

in onResume() callback function.

- Study how the activity lifecycle is working with Multiple activities.
- Zip all project files of 3 applications (after “Build>Clean project”) & submit.
- Due to **23:59:59 Nov. 4**

# Assignments

- Sample of Log message for activity lifecycle.



The screenshot shows the Logcat window in Android Studio. The top bar indicates the device is a Pixel 4 API 29 (emulator-5554) running Android 10, API 29, with the app name DKMobile. The log entries show the following sequence of events:

Time	Process	Level	Message
2022-10-31 11:28:48.591	kr...ankook.mobile.prof.activities	D	OPEN SUB button pressed
2022-10-31 11:28:48.591	kr...ankook.mobile.prof.activities	D	putExtra3, 2
2022-10-31 11:28:48.598	kr...ankook.mobile.prof.activities	D	MainActivity onPause()
2022-10-31 11:28:48.611	kr...ankook.mobile.prof.activities	D	SubActivity onCreate()
2022-10-31 11:28:48.611	kr...ankook.mobile.prof.activities	D	getExtra 3, 2 Result=5
2022-10-31 11:28:48.613	kr...ankook.mobile.prof.activities	D	SubActivity onStart()
2022-10-31 11:28:48.613	kr...ankook.mobile.prof.activities	D	SubActivity onResume()
2022-10-31 11:28:49.062	kr...ankook.mobile.prof.activities	D	MainActivity onStop()
2022-10-31 11:28:52.432	kr...ankook.mobile.prof.activities	D	Return button pressed
2022-10-31 11:28:52.437	kr...ankook.mobile.prof.activities	D	SubActivity onPause()
2022-10-31 11:28:52.444	kr...ankook.mobile.prof.activities	D	MainActivity onStart()
2022-10-31 11:28:52.444	kr...ankook.mobile.prof.activities	D	Received Result is 5
2022-10-31 11:28:52.444	kr...ankook.mobile.prof.activities	D	MainActivity onResume()
2022-10-31 11:28:52.894	kr...ankook.mobile.prof.activities	D	SubActivity onStop()
2022-10-31 11:28:52.895	kr...ankook.mobile.prof.activities	D	SubActivity onDestroy()