TUTORIAL 6

1.   Start up Android Studio and open an existing project or create a new one. Try to use some of the following methods: onCreate(), onStart(), onRestart(), onResume(), onPause(), onStop(), onDestroy().

2.   Read the LogCat tutorial at https://developer.android.com/studio/debug/am-logcat.html, then run your app on an Android Virtual Device (AVD) or physical device and:
    - monitor the LogCat output of your device
    - note the different log levels: Verbose, Debug, Info, Warning, Error, Assert
    - filter messages by tag name
    - filter messages by level

3.   Start overwriting the methods of your main Activity and issue Log messages* onCreate(), onStart(), onRestart(), onResume(), onPause(), onStop(), onDestroy().

> * You will need a Tag when issuing Log messages. What would be a suitable Tag?
>
> Try using this method:
>
> ```
> private static final String TAG = MyActivity.class.getSimpleName();
> ```
>
> Why static? Why final? Why not use a literal name?

4.   Start, restart, interrupt your app and monitor your logs in the LogCat.

5.   Download and run the *lifecyc* project. Launch and play with the app so that all of the lifecycle methods are implemented (i.e. the corresponding messages are shown on the screen).