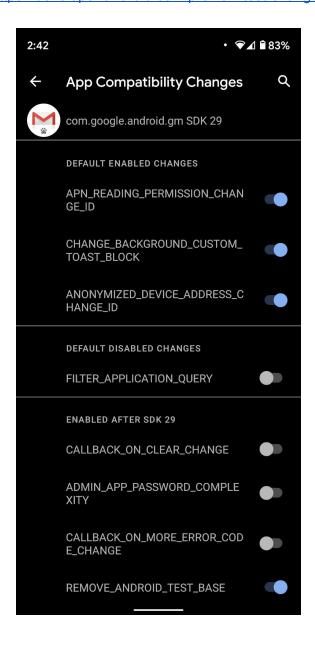
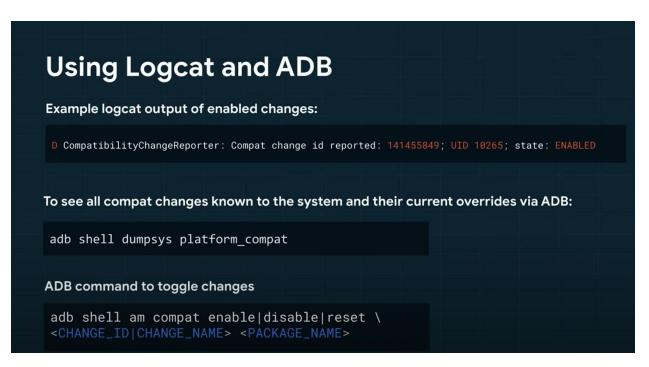
- 1. New tools to make it easier to test and debug apps.
  - a. Part of new compatibility framework
  - b. Enables the changes individually (in the setting app)
  - c. Types of App Compatibility Changes
    - i. Affect all apps
    - ii. Affect based on targetSDK (30)
    - iii. https://developer.android.com/preview/test-changes



## 2. Practice

- a. Assuming that there is an example targeting Android 11, and the developer option has been enabled.
- b. Go to the setting and find the app compatibility changes in the developer option

c. We can turn on or off the app compatibility changes. (Toggleable)



- d. As soon as we toggle a change off, then we might see the crash log through logcat.
- e. If we are reluctant to use the GUI, then there is an alternative, using ADB.
- f. Id and name associated with the app compatibility change are defined in d.android.com.

## **Toggling Changes** — 🗆 × Non-debuggable app Debuggable app **Build type** All changes Target SDK gated changes All other changes DP / Beta Build Can't Toggle **Can Toggle** Can Toggle Public user build Can't Toggle **Can't Toggle** Can Toggle

- g. We can find the restrictions on toggling due to the app and build type of Android 11 platform.
- 3. All the purpose of the app compatibility framework is... to make it easier to get apps working on android 11 easier.