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Debugging in Android Apps

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Using Log

- It is used to display system messages, such as when a garbage collection occurs, and messages that you added to your app with the Log class.

- It displays messages in real time and keeps a history so you can view older messages.
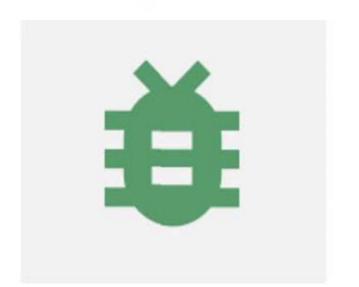
Using Logcat

- Same as Log, just difference is that Logcat always check the LOGS property that it is true or false before logging any message.

- which can be set to true in the debug build type and to false in the release type.

Using Debug Mode

--> Debugging in standard mode is more straightforward and commonly used during the development phase.

--> The standard debugging mode is initiated by simply running the application from Android Studio, and the debugger is automatically connected.

Attach a Debugger

--> Attaching a debugger is useful for scenarios where you want to diagnose issues in a running application without restarting it.

--> In Android Studio, you can find the "Attach debugger to Android process" option in the Run/Debug configurations, which allows you to attach the debugger to a running process on a device or emulator.

Choose Process   ×

Select a process to attach to:

☐ Show all processes

Use Android Debugger Settings from: app   ▼

Debug Type: Detect Automatically ▼

▼ ☐ Samsung SM-N970F Android 10, API 29
        com.devdroid.bottomnavexample

(?)   OK   Cancel