## Android Studio ADB Commands SESSION 7

1. From the device itself: (to stop madness Ctrl+C)

adb -d logcat (it's going to run ALL logs possible)

It's recommended to clean up buffer before running each set of logs .

## <mark>adb logcat -c</mark>

```
adb -d logcat *:E ( for error logs only )
```

```
adb -d logcat *:F (for fatal logs only)
```

adb -d logcat \*: I (for information logs only)

```
adb -d logcat *:V ( for verbose logs only )
```

adb -d logcat \*:D (for debugging logs only)

adb -d logcat \*:W ( for warning logs only )

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Collect logs from previously run command and place it in a TEXT FILE .

adb -d logcat \*:E -d > online26.txt (to dump the previous log into text file. It will collect the logs from buffer)

clean up buffer : adb –d logcat -c

To simultaneously collect logs from Device and place it into \*.txt adb -d logcat \*:E > online26a.txt clean up buffer : adb -d logcat -c

you will need a LOMOTIF or United package

adb –d shell pm list packages | grep lomotif (or united)

How to collect logs from your APP (use can use United or LOMOTIF in this exercise. I will use another app)

<mark>adb -d</mark> logcat <mark>\*:E</mark> >online262.txt | <mark>adb -d</mark> shell grep <mark>"com.united.mobile.android"</mark>

type CTRL+C to stop collecting logs and go check online262.txt

You are welcome to give any name to .txt file

## adb -d logcat -v threadtime >android-debug.log

- 1. Perform any actions on your Android device.
- 2. To stop the adb process, press Ctrl + C on the command prompt window.
- 3. The debug data can be viewed from c:\android-debug.log file.

# Collecting threadtime logs from an app (example Real Device)

adb –d logcat –v threadtime >android-debug.log | adb –d shell grep "com.united.mobile. android

### 

Monkey Test is a TOOL in ANDROID Studio to perform stress test for UI functionality 5000 is a number of "hits" or in other words, "injections" your app is going to receive. You may change this number to any.

adb -d shell monkey -p com.united.mobile.android 5000 (from Terminal) If you want to collect logs from Monkey test, run shell **simultaneously** with this command line adb -d logcat \*:E >monkey.txt | adb -d shell grep "com.united.mobile.android" (from cmd shell)

Reboot your device ( or emulator after Monkey test)

adb –d reboot

It's time to get familiar with commands lines to copy Files between PC/Laptop and Device

Copy **Fish.txt** and **Bear.txt** from your Laptop/PC to your Mobile Device:

 Create a directory in C Drive. Name it a C:/a
 Open Notepad Type FISH Save it as fish.txt

```
3. Open another Notepad
Type Bear
Save it as bear.txt (in C:/a )
```

4. Create directory on your C drive and name it b C:/b

# Turn on Developers Options Menu and check USB Debugging Box

- 5. Connect your Device to Android Studio
- 6. Run adb devices (your device is showing now )
- 7. Create one AVD (emulator or use the one that you created last time)
- 8. Run adb devices (both Real device and emulator is showing now)

9. Check directories on your Real device (let's practice and see what's available. You may do the same with emulator, use –e if so )

```
adb -d shell
```

# <mark>ls</mark>

exit

( usually the most common folder is sdcard , just like temp directory on PC )

adb -d push C:/a/fish.txt /sdcard/ (space after .txt)

check if fish.txt is in sdcard adb -d shell ls cd sdcard ls ( to check content ) check for file

type exit to be out of shell

10. now do the same #9 task for bear.txt

#### 

How to copy bear.txt from your Device to your Laptop/PC to directory C:/b

adb -d pull /sdcard/bear.txt C:/b/ (also space after .txt and C:/b/) check Directory C:/b/ if bear.txt is there

Repeat for fish.txt

## Complete adb Table is on your Google Drive (Android Studio folder) Please practice command lines.

https://drive.google.com/drive/folders/1c-Kf8etZeU0nng-EJUhYzg2q2enJPCLY

## Final Test for Technical Part ( will be announced later )