**Session 6 :ANDROID STUDIO today :)**

**CONNECT YOUR Devices to the PC/LAPTOP via USB**

**1. Make sure Developers Options MENU is enabled**

**( if not go to SettingsAbout DeviceTap BUILD # 7 times**

**Go back one screen, find Developers Options Menu and go to # 2**

**2. Make sure USB DEBUGING BOX is CHECKED**

**3. OPEN ANDROID STUDIO**

**4. check your devices if “TRUST THIS COMPUTER” notification appears -CONFIRM YES**

**5. Open Emulator**

**6. type : adb devices**

**7. if you have real device , then you will see both : real and emulator**

Another valuable command line to help developers debug (example shown from a real device):

adb –d logcat –v threadtime >C:/a/android-debug2.log

or on Mac

adb –d logcat –v threadtime >~/Desktop/android-debug2.log

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

Collecting threadtime logs from an app ( example Real Device)

adb –d logcat –c ( clean up buffer) before executing the following command.

**adb –d logcat –v threadtime >C:/a/android-debug3.log | findstr com.united.mobile.android**

**or**

**adb –d logcat –v threadtime >C:/a/android-debug3.log | adb –d shell grep com.united.mobile.android**

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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 logcat –c ( clean buffer )

adb -d shell monkey -p com.united.mobile.android 5000 ( from Terminal )

adb –d reboot ( to reboot device )

If you want to collect logs from Monkey test, run shell **simultaneously** with this command line

adb -d logcat >C:/a/monkey.txt | findstr com.united.mobile.android

or

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

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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:

 1. Create a directory in C Drive. Name it a

C:/a

2. 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

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

ls

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

And

type exit to be out of shell

now do the same task for bear.txt

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