**Session 7 :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**

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

adb -d pull /sdcard/bear.txt ~/Desktop/

Repeat for fish.txt

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

How to retrieve bugreport. First you need to run it from your Device->Developers Option🡪Get Bugreport

adb -d pull /bugreports ~/Desktop/

adb -d pull /bugreports C:/a/

Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

How to make a screenshot and transfer this file to directory C:/a

1. Open some app , so you can distinguish the screenshot

adb -d shell screencap -p /sdcard/vasya2.png   ( or any other image format like .jpg, jpeg, bmp, etc )

2. check if vasya.png    is in sdcard

adb –d shell

cd sdcard

ls (to check content)

check for file

exit

3. copy vasya.png    to C:/a/

adb -d pull /sdcard/vasya2.png C:/a/

check Directory C:/a/ if vasya2.png  is there

for MAC

adb -d pull /sdcard/vasya2.png ~/Desktop/

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

How to record a 1 min video and move this file to C:/a/?

this command only accepts seconds (not minute listing)

Most common Video formats are : .mpeg, .mpeg4, avi...etc

( this command is for continuing recording )

adb -d shell screenrecord /sdcard/happy.mp4

or

1.  adb -d shell screenrecord --time-limit 60 /sdcard/happy.mp4

2. check if happy.mp4  is in sdcard

adb -d shell

ls

cd sdcard

ls  ( to check content and look up file )

3.  copy happy.mp4 to C:/a/

adb -d pull /sdcard/happy.mp4 C:/a/

Mac

adb -d pull /sdcard/happy.mp4 ~/Desktop/

check Directory C:/a/ if happy.mp4 is there

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

How to make your device REMOTE (real device)?

* Set your Device and Laptop/PC to the SAME network
* Check on your Device : Settingsabout devicestatus ( write down )

This is a manual way to figure out what your IP is

But you may use adb commands to do the same.

adb -d shell netcfg

*( mine is 192.168.4.238 – please note your IP addr is different from mine, but I’m using my own numbers. Please adjust your command line to match your IP )*

or

adb -d shell ip addr

1. adb -d usb ( restarting in usb mode)

2. adb -d tcpip 5556 ( assigning port 5556 )

( checking if this port is available to use. Receive message "restarting in TCP mode port: 5556")

3. adb -d connect 192.168.4.243:5556  ( "marry” your IP address to the port 5556)

After receiving a message "connected to 192.168.4.243:5556"

Disconnect USB cable from computer and type:  adb devices

Your Device is now listed:

192.168.4.243:5556      device

Lets uninstall our APP from remote device ( you may use any APP )

adb -s 192.168.4.243:5556 uninstall com.united.mobile.android

and Install it back:

adb -s 192.168.4.243:5556 install dog.apk

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

adb -s 192.168.4.243:5556 reboot

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

How to make a device to be real again

adb -s 192.168.4.243:5556 reboot

Connect device back to the PC/Laptop and run

adb devices

Your device real again after adb devices

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

real device

remote device offline

192.168.4.243:5556

emulator-5554

adb -s 192.168.4.243:5556 kill-server

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx