ADB Basics

**adb devices** (lists connected devices)  
**adb root** (restarts adbd with root permissions)  
**adb start-server** (starts the adb server)  
**adb kill-server** (kills the adb server)  
**adb reboot** (reboots the device)  
**adb devices -l** (list of devices by product/model)  
**adb shell** (starts the backround terminal)  
**exit** (exits the background terminal)  
**adb help** (list all commands)  
**adb -s <deviceName> <command>** (redirect command to specific device)  
**adb –d <command>** (directs command to only attached USB device)  
**adb –e <command>** (directs command to only attached emulator)

## Package Installation

**adb shell install <apk>** (install app)  
**adb shell install <path>** (install app from phone path)  
**adb shell install -r <path>** (install app from phone path)  
**adb shell uninstall <name>** (remove the app)

## Paths

**/data/data/<package>/databases** (app databases)  
**/data/data/<package>/shared\_prefs/** (shared preferences)  
**/data/app** (apk installed by user)  
**/system/app** (pre-installed APK files)  
**/mmt/asec** (encrypted apps) (App2SD)  
**/mmt/emmc** (internal SD Card)  
**/mmt/adcard** (external/Internal SD Card)  
**/mmt/adcard/external\_sd** (external SD Card)  
  
**adb shell ls** (list directory contents)  
**adb shell ls -s** (print size of each file)  
**adb shell ls -R** (list subdirectories recursively)

## File Operations

**adb push <local> <remote>**(copy file/dir to device)  
**adb pull <remote> <local>** (copy file/dir from device)  
**run-as <package> cat <file>** (access the private package files)

## Phone Info

**adb get-statе** (print device state)  
**adb get-serialno** (get the serial number)  
**adb shell dumpsys iphonesybinfo** (get the IMEI)  
**adb shell netstat** (list TCP connectivity)  
**adb shell pwd** (print current working directory)  
**adb shell dumpsys battery** (battery status)  
**adb shell pm list features** (list phone features)  
**adb shell service list** (list all services)  
**adb shell dumpsys activity <package>/<activity>** (activity info)  
**adb shell ps** (print process status)  
**adb shell wm size** (displays the current screen resolution)  
**dumpsys window windows | grep -E 'mCurrentFocus|mFocusedApp'** (print current app's opened activity)

## Package Info

**adb shell list packages** (list package names)  
**adb shell list packages -r** (list package name + path to apks)  
**adb shell list packages -3** (list third party package names)  
**adb shell list packages -s** (list only system packages)  
**adb shell list packages -u** (list package names + uninstalled)  
**adb shell dumpsys package packages** (list info on all apps)  
**adb shell dump <name>** (list info on one package)  
**adb shell path <package>** (path to the apk file)

## Configure Settings Commands

**adb shell dumpsys battery set level <n>** (change the level from 0 to 100)  
**adb shell dumpsys battery set status<n>** (change the level to unknown, charging, discharging, not charging or full)  
**adb shell dumpsys battery reset** (reset the battery)  
**adb shell dumpsys battery set usb <n>** (change the status of USB connection. ON or OFF)  
**adb shell wm size WxH** (sets the resolution to WxH)

## Device Related Commands

**adb reboot-recovery** (reboot device into recovery mode)  
**adb reboot fastboot** (reboot device into recovery mode)  
**adb shell screencap -p "/path/to/screenshot.png"**(capture screenshot)  
**adb shell screenrecord "/path/to/record.mp4"**(record device screen)  
**adb backup -apk -all -f backup.ab**(backup settings and apps)  
**adb backup -apk -shared -all -f backup.ab** (backup settings, apps and shared storage)  
**adb backup -apk -nosystem -all -f backup.ab** (backup only non-system apps)  
**adb restore backup.ab** (restore a previous backup)  
**adb shell am start|startservice|broadcast <INTENT>[<COMPONENT>]  
-a <ACTION> e.g. android.intent.action.VIEW  
-c <CATEGORY> e.g. android.intent.category.LAUNCHER** (start activity intent)

**adb shell am start -a android.intent.action.VIEW -d URL** (open URL)  
**adb shell am start -t image/\* -a android.intent.action.VIEW** (opens gallery)

## Logs

**adb logcat [options] [filter] [filter]** (view device log)  
**adb bugreport** (print bug reports)

## Permissions

**adb shell permissions groups** (list permission groups definitions)  
**adb shell list permissions -g -r** (list permissions details)