Bypass Android Security Using ADB

We usually forget our passwords or the pattern of our Android phones, which is so annoying.
But if you know about Android Debug Bridge (ADB), you should not worry about that.
This hack is for educational purposes only; you should not try it on other people's phones without their permission.

Method 1

The Android device must have USB debugging enabled, and adb should be installed on the device; if you have not enabled USB debugging, you can run this command in the recovery.
It would help to have a computer running a Linux distro or Windows + Cygwin. A USB cable to connect your phone to the computer and ADB is installed on your computer.
Now open ADB and write:
adb devices
adb shell
cd data/system
su rm *.key
Process completed; now you can easily reset your phone.
Note: If you see any type of password or pattern after restarting your phone, don't worry; just try any random password or pattern.

Method 2

If method no 1 doesn't work, then you can try the second method, Open adb and write
adb devices
adb shell
cd /data/data/com.android.providers.settings/databases
sqlite3 settings.db
update system set value=0 where name='lock_pattern_autolock';
update system set value=0 where name='lockscreen.lockedoutpermanently'; .quit
Now reset your phone and try any random password, pin or pattern

Method 3

If none else works, then try this:
adb devices
adb shell rm /data/system/gesture.key
Reset and enjoy.

What Is ADB:

Adb is the abbreviation of Android Debug Bridge. It's a command line like Windows, which helps users connect and communicate with Android devices. Through Adb, one can easily modify the settings of an android like installing or removing apps, flashing a custom rom, root android and removing bloatware of any android.

Why Do Android Phones Have Bloatware:

The main reason Android phones have bloatware is that sponsors or advertisers are affiliated with the mobile companies or manufacturers from whom you purchased the mobile, i.e. If you purchase an Infinix,tecno or Xiaomi mobile, you will find it full of bloatware like palm store, scooper, car care, AHA games, Phoenix browser etc.

You will always find more bloatware in budget phones because sponsors and advertisers pay manufacturers. Hence, they recover their amount by advertisement and sell their phones at very reasonable prices, unlike Samsung, iPhone and Htc. They did not allow third-party sponsors or advertisers, so their phones became costlier.

How To Remove Bloatware From An Android Without Root:

Android bloatware is not easy to remove because the affiliated companies do not want you to remove their apps or advertisements. If you remove them by any chance, they will not be happy with you, and that's why they put restrictions on uninstalling their apps and advertisements.

There is a saying that "Nothing Is Impossible", so techy geeks find a solution to this problem through adb.

Adb is a way to alter the phone settings or customization without hassle. Don't worry if your phone is not rooted; adb requires only a USB cable and a Pc.

Just follow these simple steps:

1. Install ADB on Windows:

1. Enable developer mode: developer mode can be enabled by just tapping 5-7 times on "build number" in "System>About>Build number"
2. Now find and enable "USB Debugging" in developer Options.
3. Download the [Android SDK Platform Tools Zip File For Windows](#)
4. Extract the contents of the zip file into an easily accessible folder like C/Platform-tools
5. Now open the folder where you have extracted the zip file.
6. Open up a command prompt in the directory where you have extracted the zip.
7. Note: This can be done by holding the "Shift button" and "Right click" within the folder and clicking on "Open Command Window Here" OR "Open PowerShell Window Here"
8. Connect your smartphone or tablet by USB Cable and change the mode to "File Transfer Mode" OR "MTP."
9. Type "adb devices" to run the ADB Daemon in the Command Prompt Window.
10. After running the command, you will see a prompt on your phone to Allow or Deny the "USB Debugging Access" Just tap on Allow and check the box "Always allow from this computer."
11. Now re-enter the command from step 9; if everything goes successfully, you will see a serial number with the device.

Congratulation! You have successfully installed ADB; Now you can run any adb command and start modding your phone. Remember to uninstall only bloatware apps; if you mistakenly uninstalled the system application, you will be in a boot loop.

2. Install Third Party App To Check the Package Name:

1. To remove the apps from your phone, you should know the application's Package Name. For this purpose, you must install a third-party app from Google Play Store named "App Inspector" or "Package name viewer".
2. After installing the App, find your desired unwanted application and copy the name.
3. Type "adb shell" in your terminal and hit enter
4. To uninstall an app, type:

pm uninstall -k –user 0 <package-name>
(Type your package name, i.e. pm uninstall -k –user 0 com.music player)
Congratulations! You have successfully removed a pre-installed app which was taking your ram and memory and slowing down your mobile phone.
Now change and uninstall other apps by simply changing their package name.

Q: What exactly is ADB?

A: Hey there! ADB stands for Android Debug Bridge. It's a handy tool that lets developers and tech enthusiasts communicate with an Android device when it's connected to a computer. It helps with debugging, troubleshooting, and other cool tasks.

Q: Can ADB bypass Android security?

A: Well, yes, it's possible to bypass certain aspects of Android security using ADB, but hold on! You need physical access to the device and deep knowledge of the Android system. It's essential to keep in mind that bypassing Android security without proper authorization is both illegal and not cool.

Q: Are there any legitimate reasons to use ADB for Android security?

A: Absolutely! ADB has legitimate uses too. It's super handy for developers and tech-savvy folks. You can use it for debugging apps, troubleshooting issues, installing software updates, backing up and restoring data, and all sorts of development tasks. It's like a powerful Swiss Army knife for Android!

Q: Is it legal to bypass Android security using ADB?

A: Oh, no! Bypassing Android security using ADB without proper authorization is not legal, my friend. It goes against the terms of service and breaches privacy rules. Unauthorized access to someone else's device is a big no-no and could have legal consequences.

Q: Can ADB unlock any Android device's security measures?

A: Nope, ADB alone can't bypass all the security measures on an Android device. These days, Android devices have multiple layers of security, like device encryption, secure boot, and lock screens that can't be easily bypassed with just ADB. These measures are in place to protect user data and privacy.