Reverse Engineering & Android Analysis Resources

Android Basic Tools

Java Development Kit (JDK 8):

https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html

Android Studio + Android SDK:

https://developer.android.com/studio

Decompiler - Jadx:

https://github.com/skylot/jadx

Disassembler - Apktool:

https://ibotpeaches.github.io/Apktool/install/

AVDManager CLI (Optional Emulator Manager):

https://developer.android.com/studio/command-line/avdmanager

APK Downloader from Google Play:

https://apkcombo.com/

Download APK Samples (Requires Account):

https://koodous.com/

Windows/x86 Reverse Engineering Resources

IDA Freeware:

https://www.hex-rays.com/products/ida/support/download_freeware/

Far Manager (File Management Tool):

https://www.farmanager.com/

qiew (Binary Viewer & Editor):

https://github.com/mtivadar/qiew

HxD (Hex Editor):

https://mh-nexus.de/en/hxd/

OllyDbg 2.0 (Debugger):

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http://www.ollydbg.de/version2.html

x64dbg (Debugger):

https://x64dbg.com/#start

GView (Graph Viewer):

https://github.com/gdt050579/GView

Windows API Reference (MSDN):

https://docs.microsoft.com/en-us/windows/win32/api/

Intel Software Developers Manual (IA-32/x86 Instruction Set Reference):

https://www.intel.com/content/www/us/en/developer/articles/technical/intel-sdm.html

Reversing: Secrets of Reverse Engineering (Book):

https://www.amazon.com/Reversing-Secrets-Engineering-Eldad-Eilam/dp/0764574817

Reverse Engineering for Beginners (Free eBook):

https://beginners.re/

Additional Tools

Python 3.8+:

https://www.python.org/downloads/

Visual Studio Code (Editor):

https://code.visualstudio.com/

C Compiler:

Add preferred compiler such as GCC, Clang, or MSVC