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1. Kivy GUI Framework

Kivy GUI Framework (Python) Installation and use guide

<https://kivy.org/doc/stable/gettingstarted/installation.html#install-pip>

For Desktop: <https://likegeeks.com/kivy-tutorial/>

For Mobile: <https://realpython.com/mobile-app-kivy-python/>

After the installation, open cmd as administrator:

-To open Kivy Virtual Environment:

```
kivy_venv\Scripts\activate
```

-To open Kivy samples code:

```
python kivy_venv\share\kivy-examples\demo\showcase\main.py
```

2. Failed to create JVM in Android Studio

1. Add JDK and JRE to system variables
2. Go to C:\Users\%USERNAME%\AppData\Roaming\Google\{studio version}
3. Delete VMOptions

3. Tweaks for Android Studio

<https://stackoverflow.com/questions/30817871/android-studio-is-slow-how-to-speed-up>

<https://developer.android.com/studio/intro/studio-config>

I.

1. Go to Settings -> Build, Execution, Deployment -> Compiler
2. Check the "Compile independent modules in parallel"
3. Add the command in "Command-line Options:"

--offline

II.

1. Go to Help -> Edit VM Options
2. Put the following:

```
-Xms1024m  
-Xmx4096m # <----- increase this to most of your RAM  
-XX:MaxPermSize=1024m  
-XX:ReservedCodeCacheSize=440m  
-XX:+UseCompressedOops  
-XX:-HeapDumpOnOutOfMemoryError  
-Dfile.encoding=UTF-8
```

III.

1. Search "gradle.properties"
2. Add the following lines:

```
org.gradle.daemon=true  
org.gradle.parallel=true
```

IV.

1. Go to File > Settings > Editor > File Types
2. In the field of "Ignore files and folders" add the line:

```
Thumbs.db;
```

3. Enable Power Saver Mode (File -> Power Saver Mode)

4. How to Install WSL2 & Ubuntu Linux GUI (XFCE Desktop)

Please watch the tutorial here: <https://www.youtube.com/watch?v=8SuERIEJJUA>

5. Incompatible JVM for Eclipse IDE

step1: just go and find the location of eclipse in your system

step2: open the "eclipse configuration file" and search "-vmargs" in this file just go one line above of "-vmargs" and hit enter for blank space now type here "-vm" and hit enter

step3: go and copy the bin folder of jdk11 and paste it below the "-vm" then add this "\\javaw.exe", see the demo below then save it and now run the eclipse ide

example:

-vm

C:\Program Files\Java\jdk-11.0.9\bin\javaw.exe

-vmargs