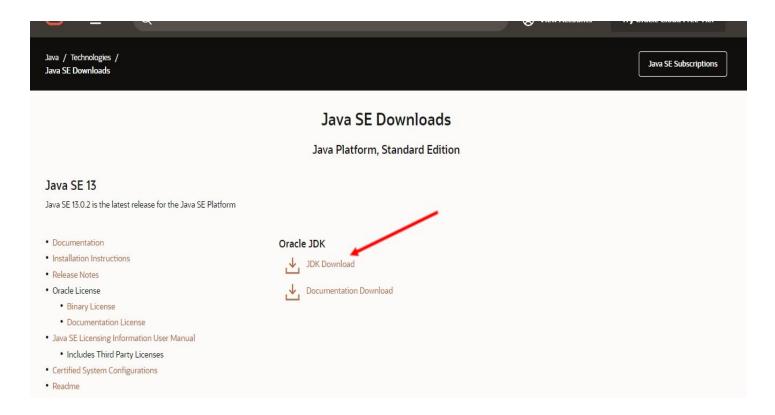
# Android Studio installation and setup

Android Studio is the IDE that will be used to develop Android Applications Steps to setup Android Studio for development in a Windows environment

- 1. Install Java
- 2. Install Android Studio
- 3. Test with a Simple Program

#### 1.1. Install Java

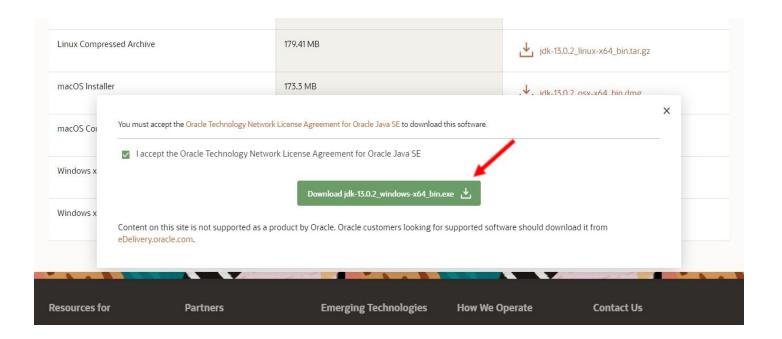
• Step 1) Go to the link. Click on Download JDK. For java latest version.



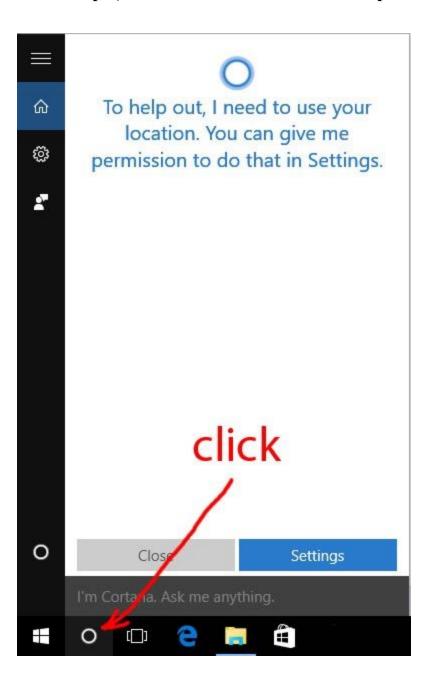
• Step 2) Select JDK version for your system

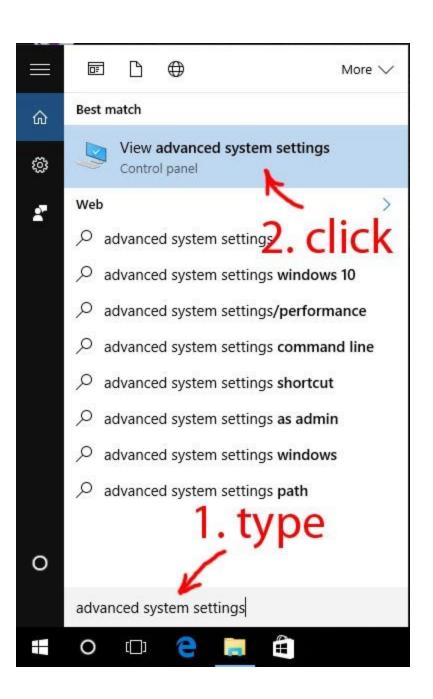
Product / File Description	File Size	Download
Linux Debian Package	155.72 MB	jdk-13.0.2_linux-x64_bin.deb
Linux RPM Package	162.66 MB	jdk-13.0.2_linux-x64_bin.rpm
Linux Compressed Archive	179.41 MB	jdk-13.0.2_linux-x64_bin.tar.gz
macOS Installer	173.3 MB	jdk-13.0.2_osx-x64_bin.dmg
macOS Compressed Archive	173.7 MB	jdk-13.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	159.83 MB	jdk-13.0.2_windows-x64_bin.exe
Windows x64 Compressed Archive	178.99 MB	jdk-13.0.2_windows-x64_bin.zip

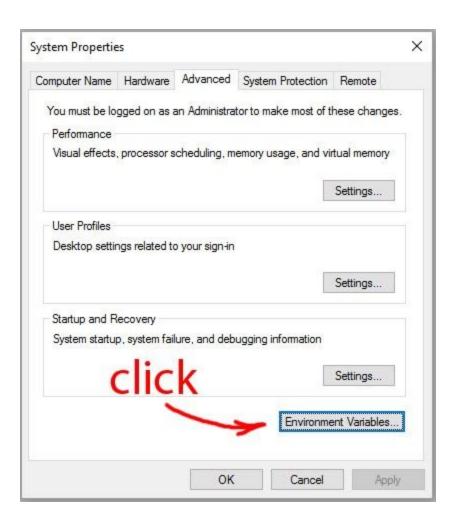
• Step 3) Accept the Oracle Technology Network License Agreement for Oracle Java SE to download this software

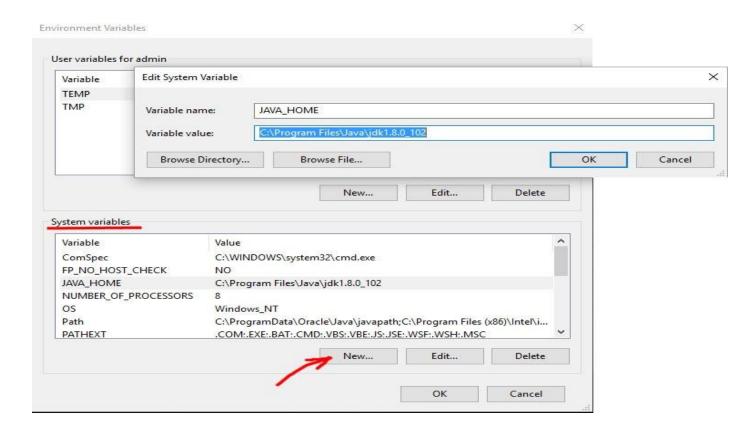


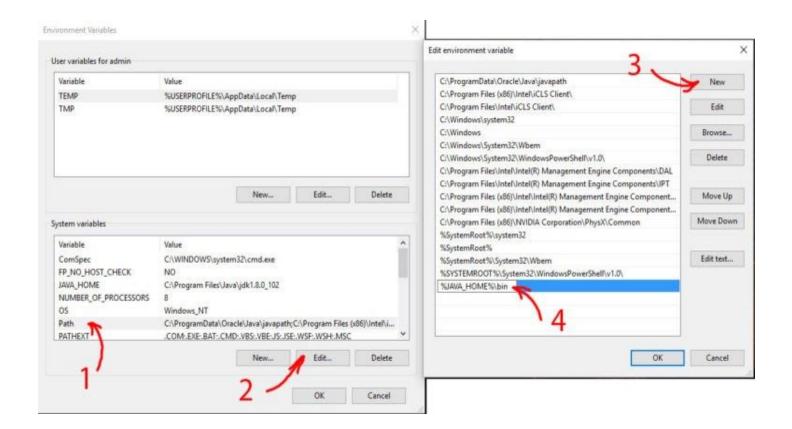
• Step 4) Add JAVA to the environment path









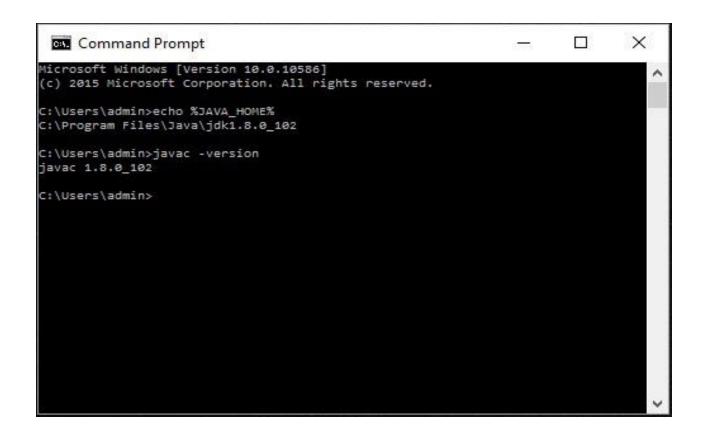


#### **Test Java**

Type this in command prompt to this the installed JAVA information

echo %JAVA\_HOME%

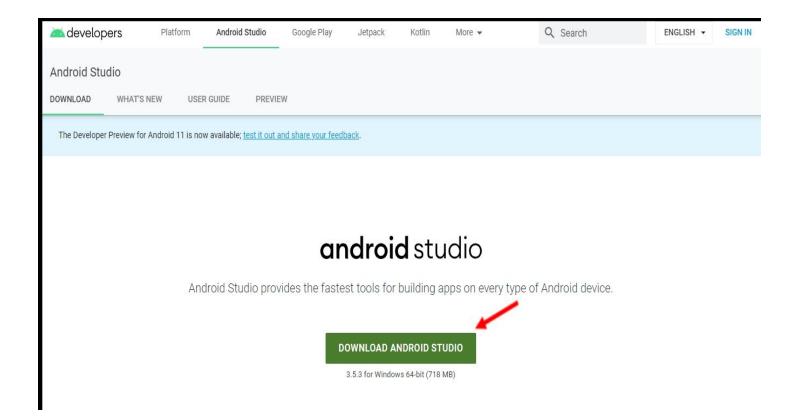
javac -version



## 1.2 Install Android Studio

#### **♦ Download Android Studio**

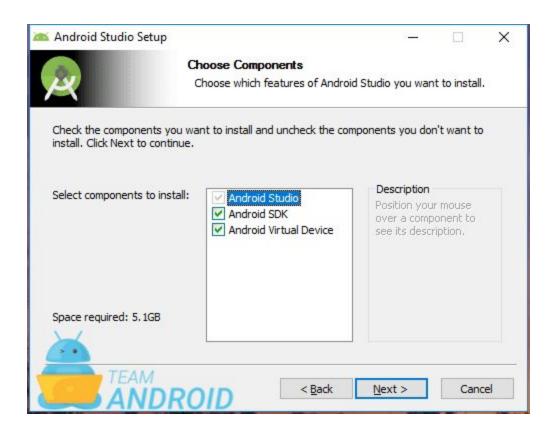
(android-studio-bundle-XX.XXXXXX-windows.exe) from the Android Developers website. This may take a while to download as the entire set up is about 2GB in size.



**Run the EXE setup file you just downloaded. You should be greeted with a similar setup wizard screen as shown below. Click** *Next* **to begin!** 



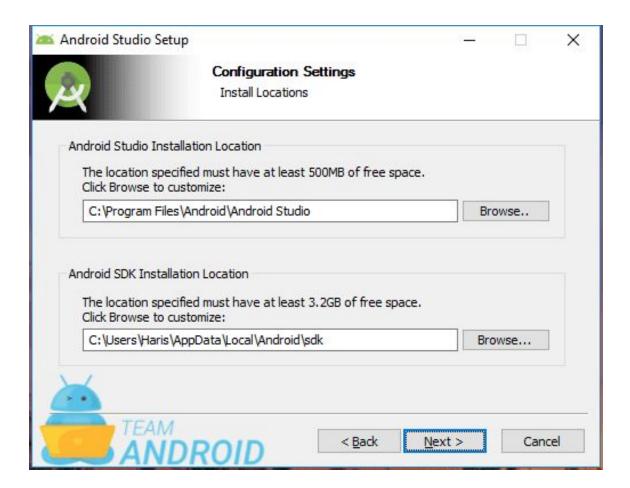
**\*** Keep the default components selected for installation. Click *Next*.



**♦** We are sure you would not want to read through the entire license agreement. Click *I Agree*.



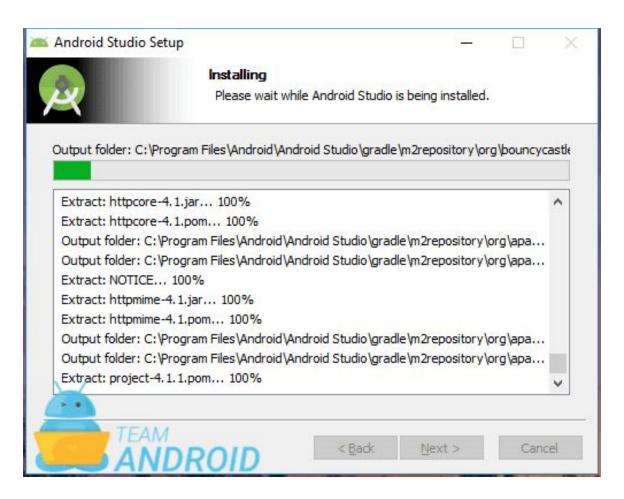
**♦** This is where you select the installation location for Android Studio and Android SDK. You may select another location/drive that has the required space available. Click *Next* to continue.



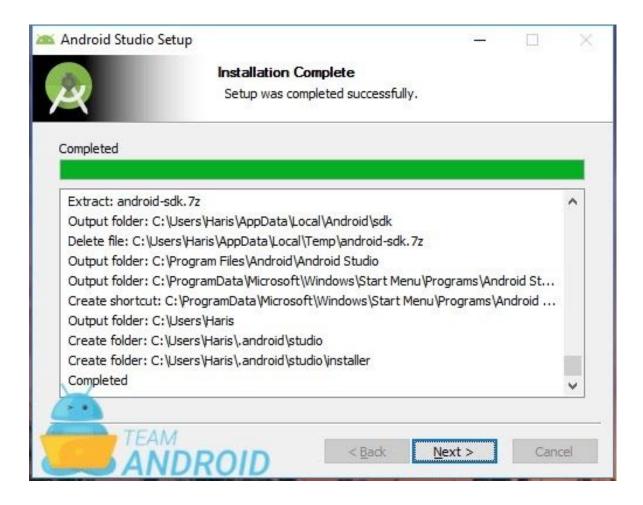
**Yes, you would want to have a Start menu folder. Just click** *Install* **to continue.** 



**❖** Installation should begin now. This may take a while for all the files to be extracted and installed on your computer.



**Once the installation is completed, click** *Next.* 



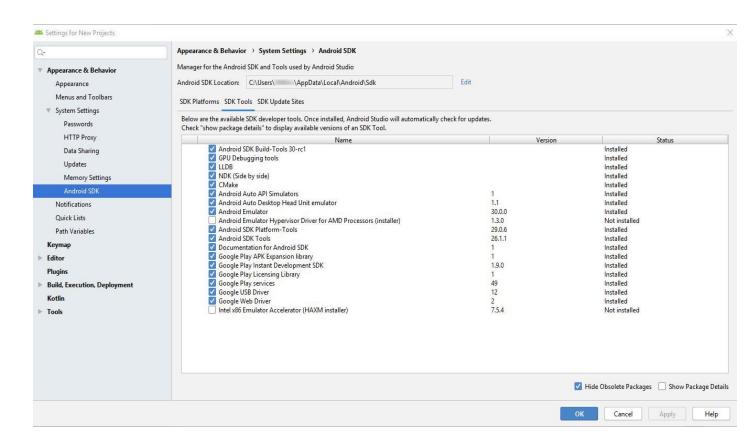
**You are all set to launch Android Studio for the first time.** Click *Finish* to proceed.



NB:- Install Additions SDK that is compatible with your device if you test in Actual android phone

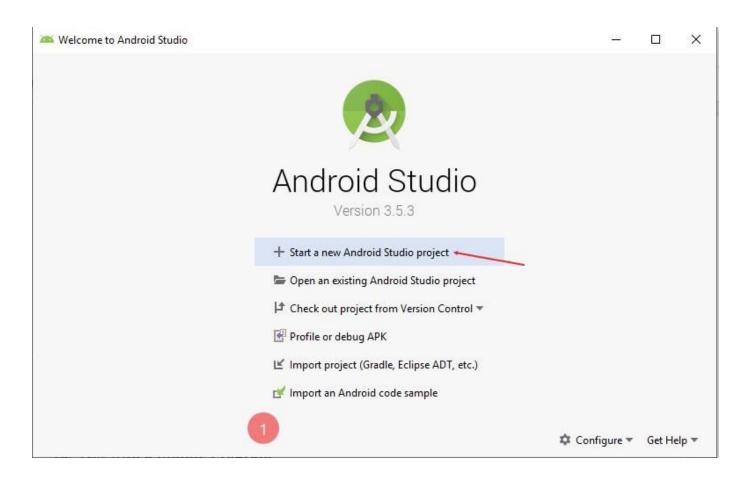
#### **♦** Add SDK tools

Click on SDK tools tabs select on the desired tool and click on Apply button (if downloaded and installed all checkboxes will be marked and status will be installed)

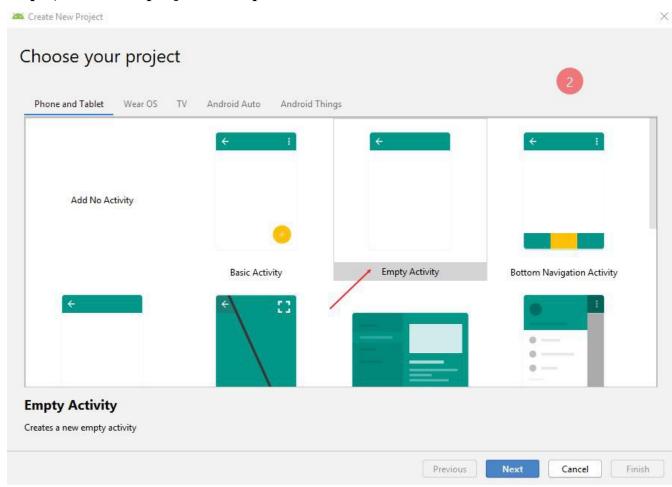


# 1.3 Test with a Simple Program

## Step 1) Click on Start new Android Studio Project

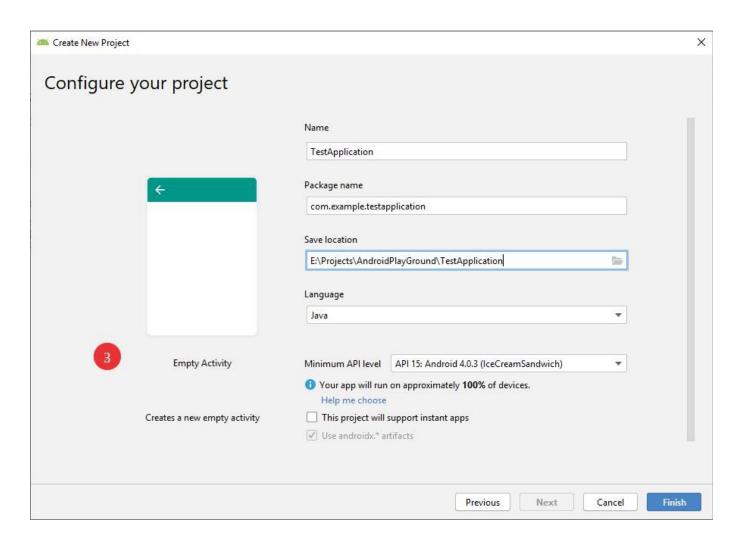


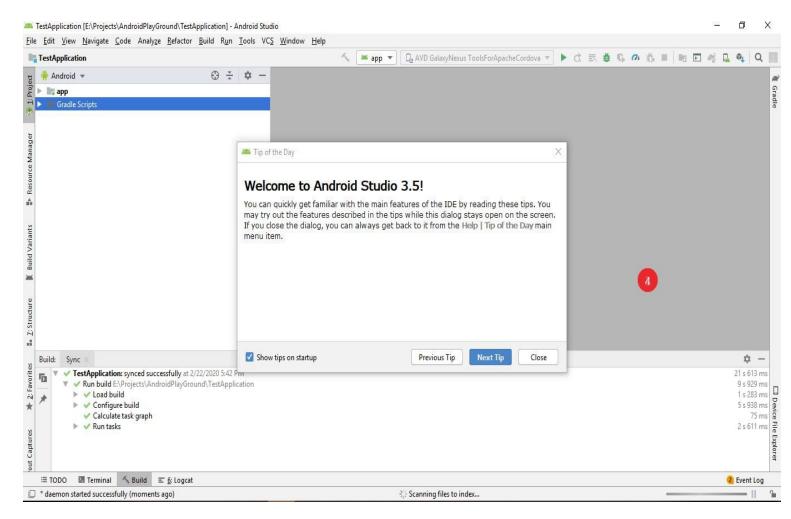
# Step 2) Choose a project from phone and tablet tab



## **Step 3) Configure your project**

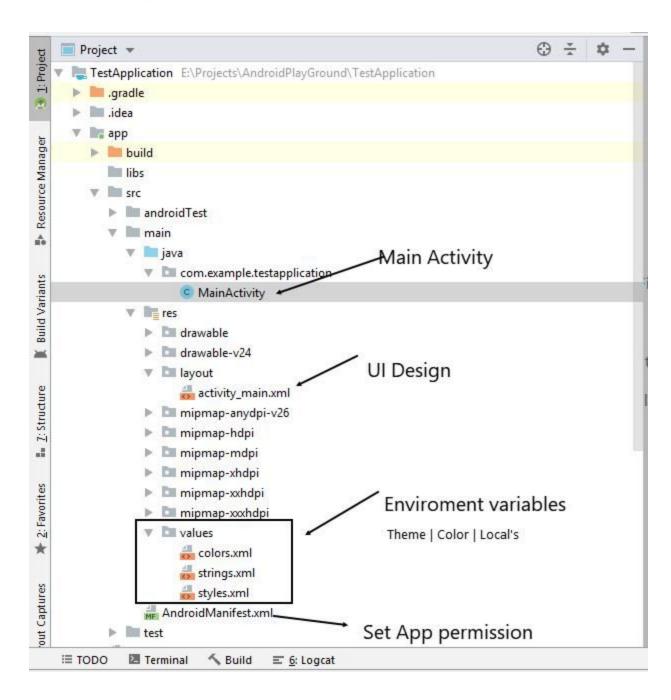
Choose Application name, package name, minimum API version, Choose a language (Java)





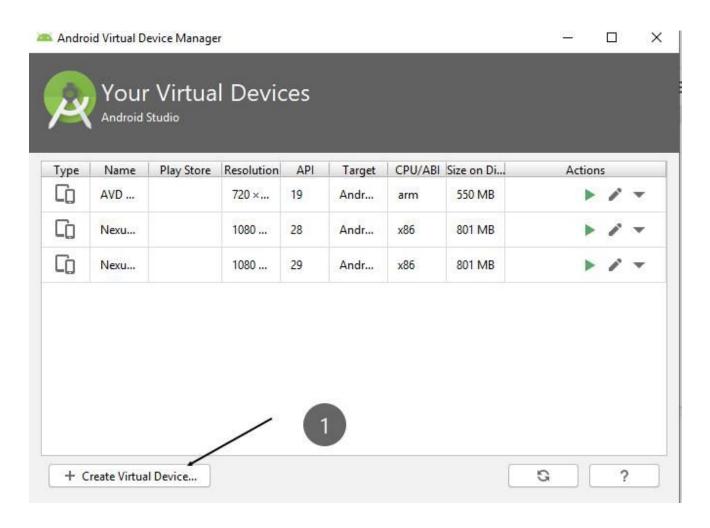
Click Finish and wait for **Gradle** to sync

## **♦** Folder layout

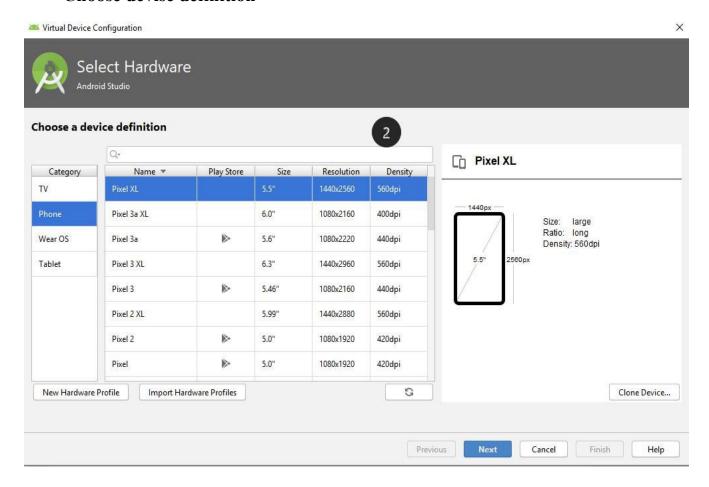


#### **Create AVD**

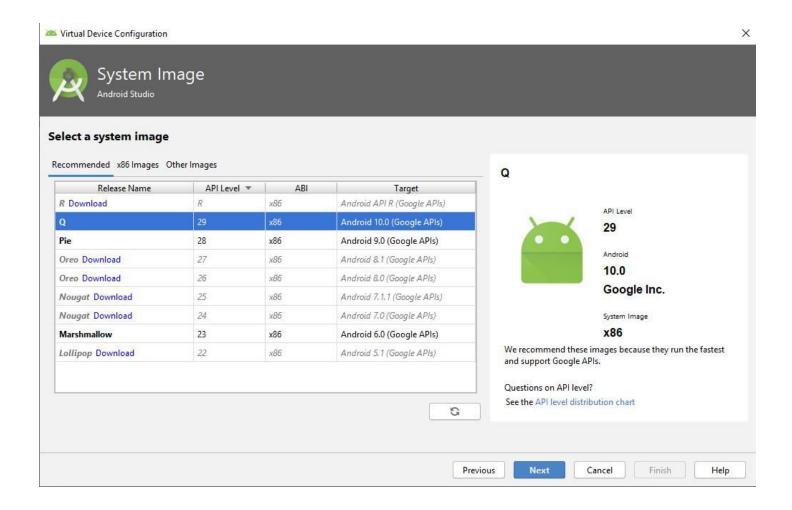
# ➤ Open Avd Manager from the drop-down



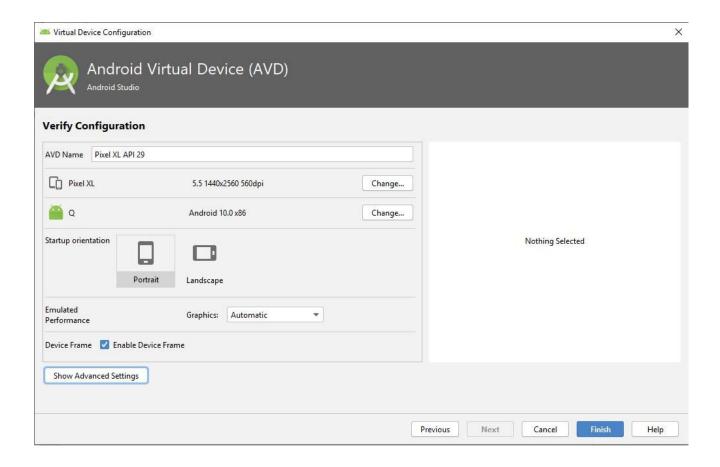
#### **Choose devise definition**



## **Select System Image**

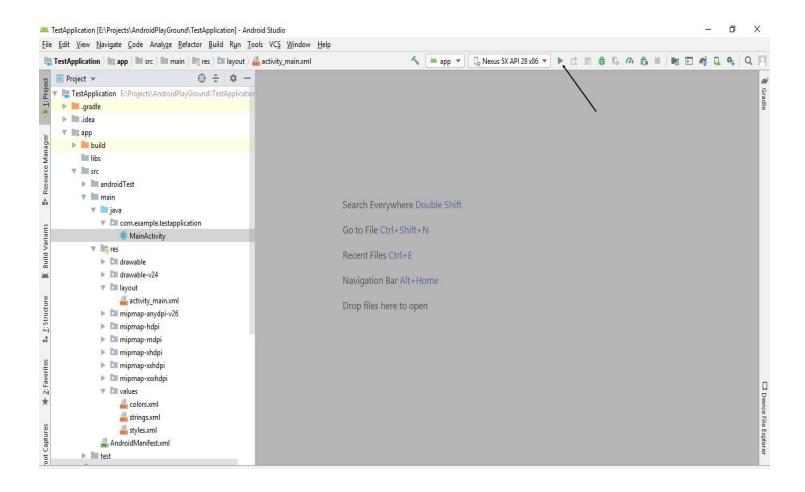


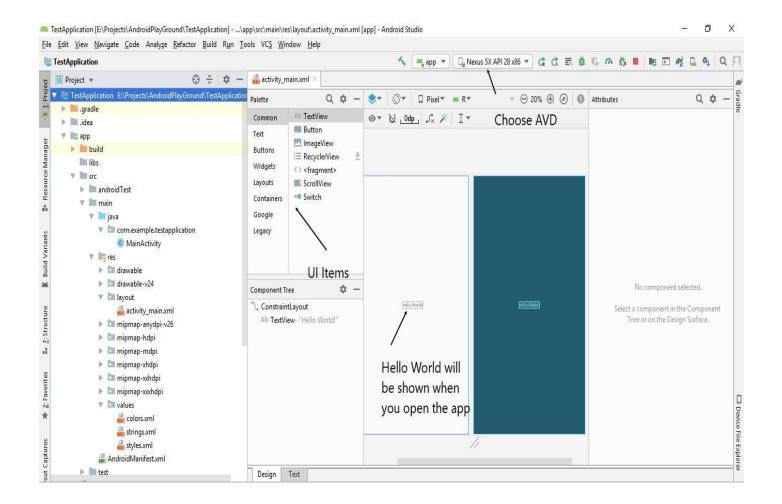
## **Configure AVD**



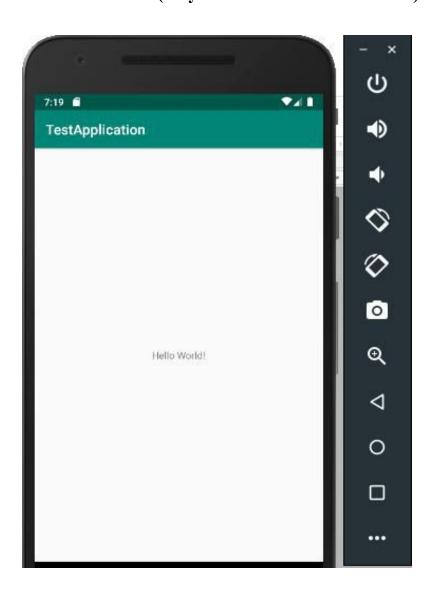
Click Finish and you will see the new virtual device in the AVD list

#### Click on the Run button





# AVD will launch (may take a few minutes to start)



# **Additional Resources**

- 1. Youtube Video
- 2. Youtube video (Ubuntu)
- 3. Guides