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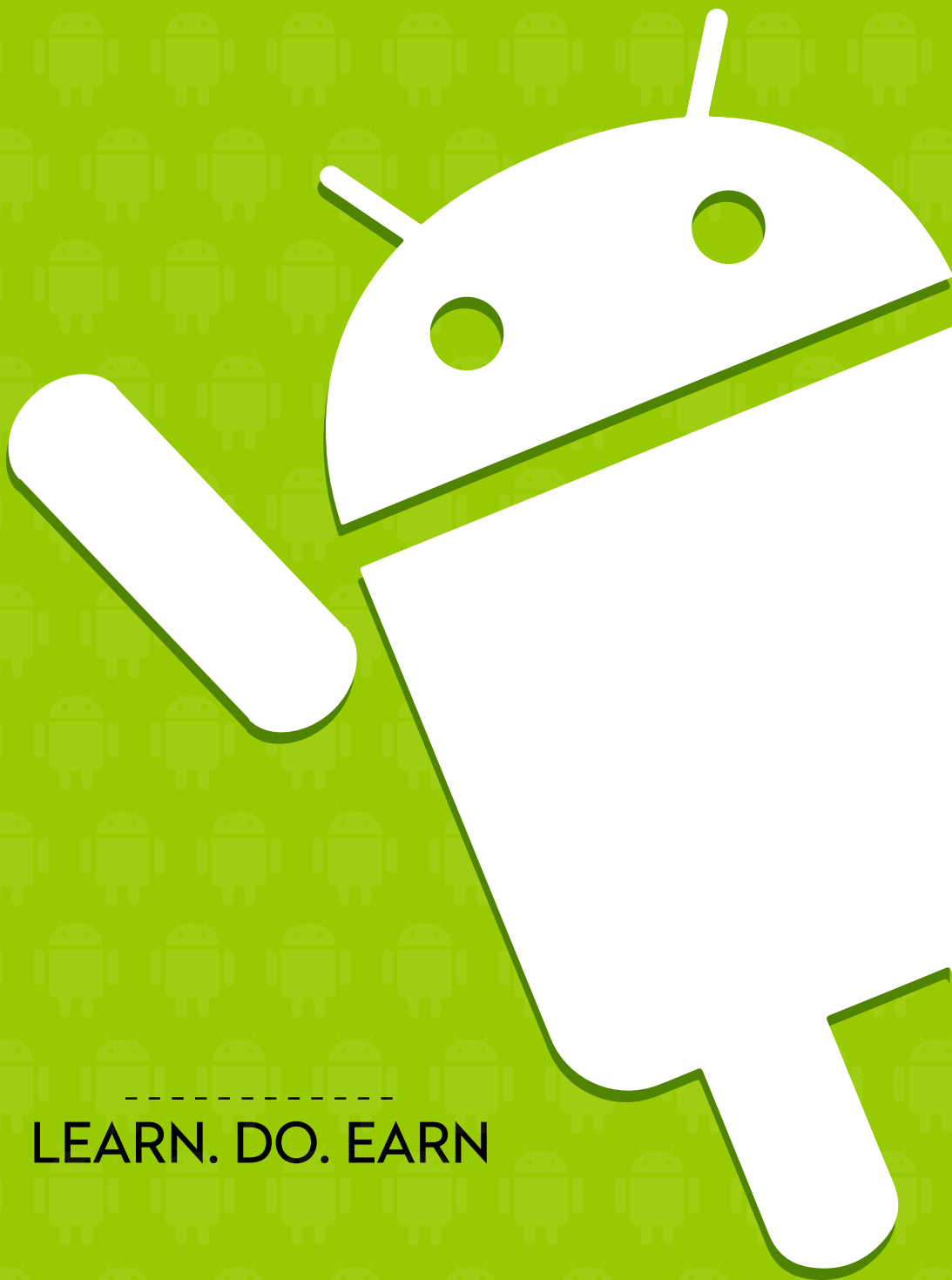
ANDROID

INSTALLATION GUIDE



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Android Installation Guide

Do you want to get started with Android or want to install Android for development purpose? Well then this EBook is the answer to your queries. This EBook is intended in explaining Android installation through a step by step process.

Before we can start with installing Android we need to have Java locally. In case Java is not installed then we need to install Java first. Let us now go through the steps involved in installing Java.

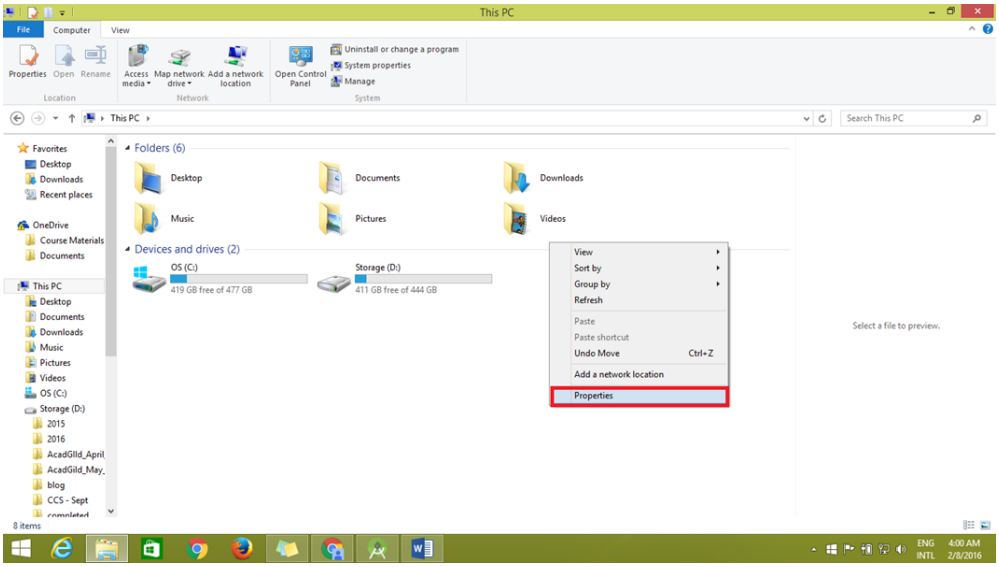
Installation of Java

Let's go through the steps involved in installing Java.

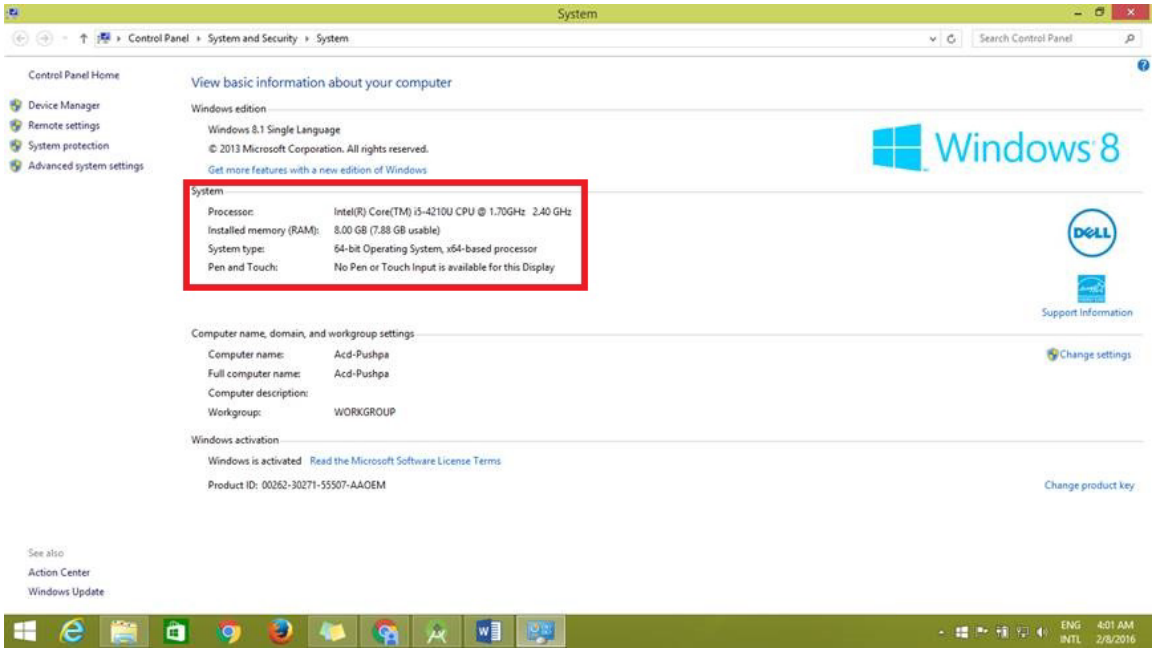
01 In order to install Java, we need to first download the Java software.

02 Visit Oracle's site http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads2133151.html to download the java software.

03 Go to admin path (In my case it is This PC). Right click and click on Properties.

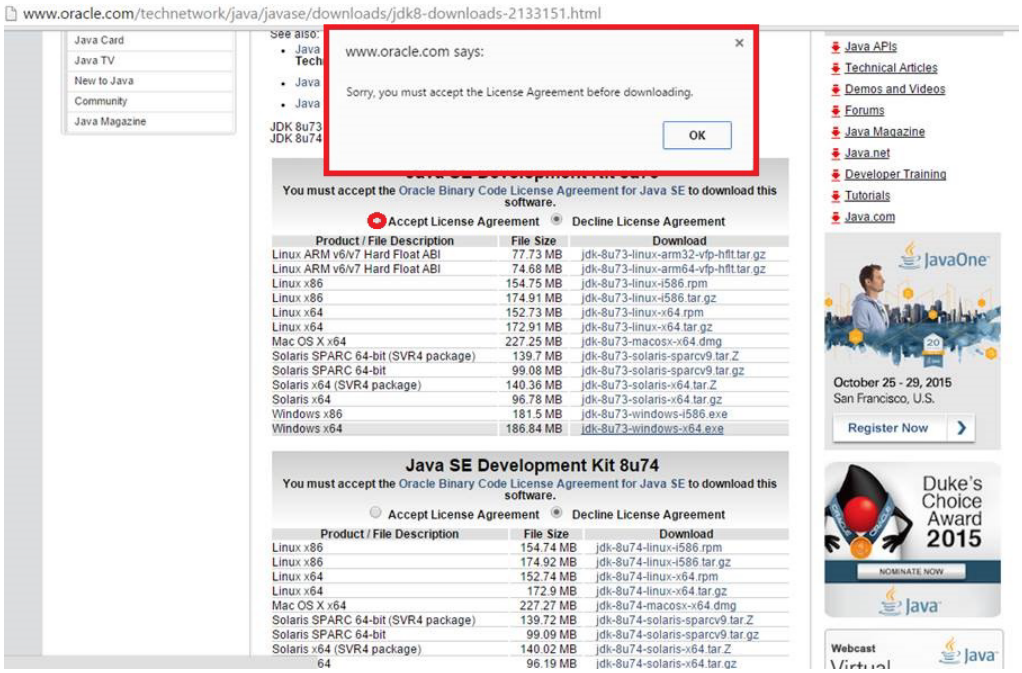


04 The screen shown below with your system information gets displayed.
Kindly check whether your system is 32 bit or 64 bit.

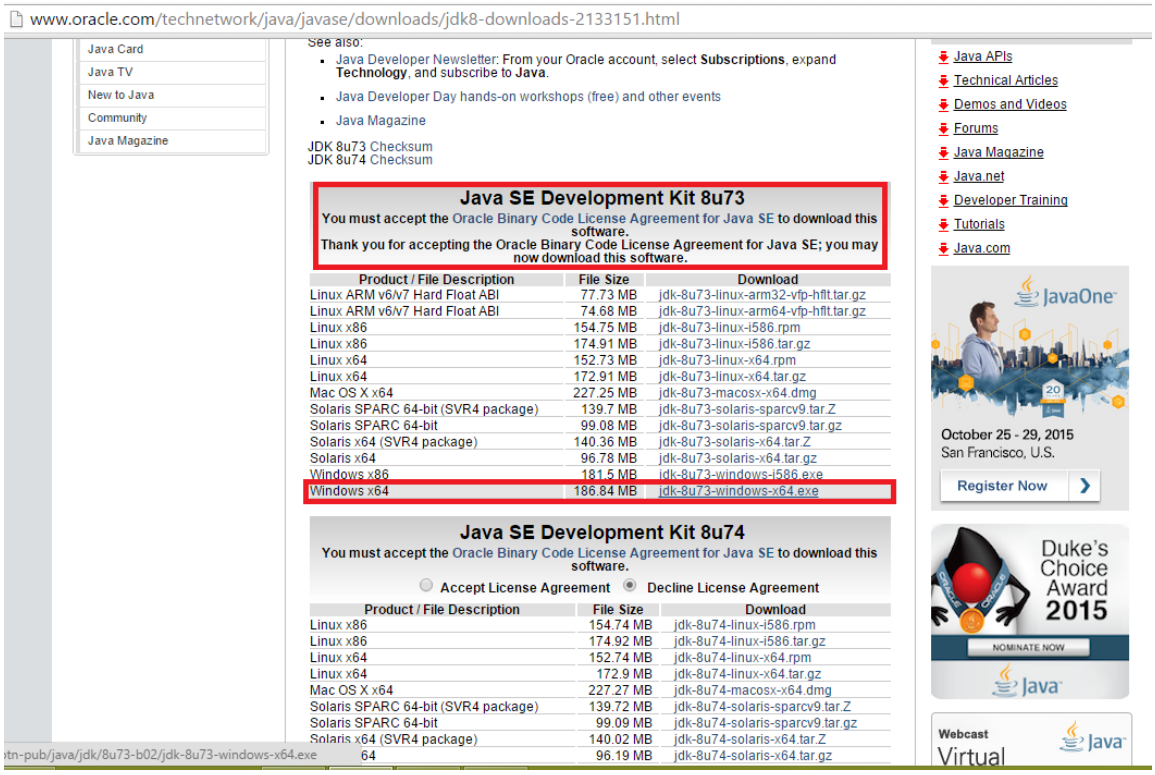


05 You need to download Java software based on the System type i.e. 32 bit or 64 bit.
(In my case it is 64 bit.)

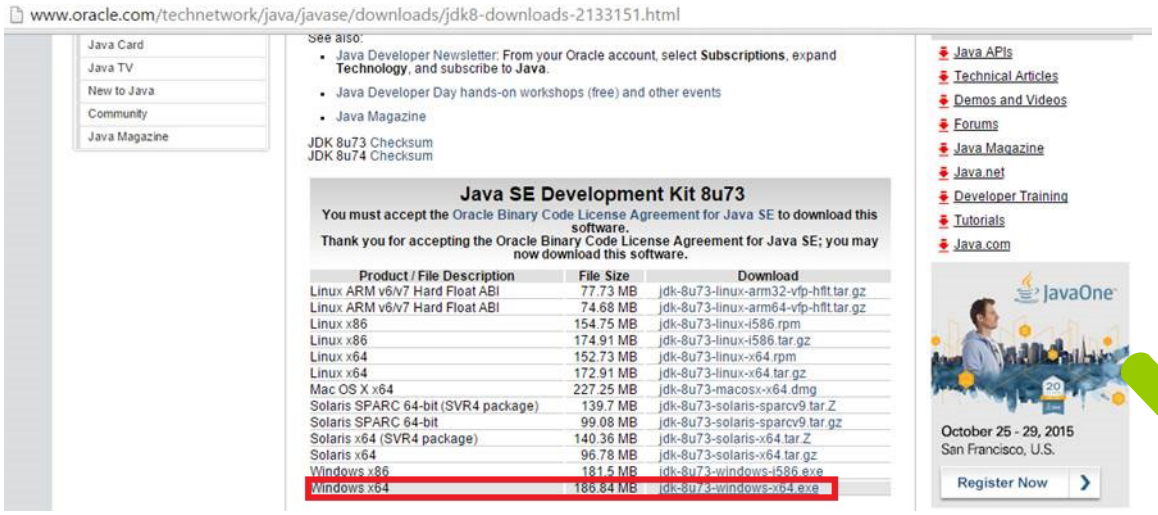
Note: While downloading if you forget to accept the license then below shown error will pop up.



06 Once you accept the license below shown confirmation screen will come up.

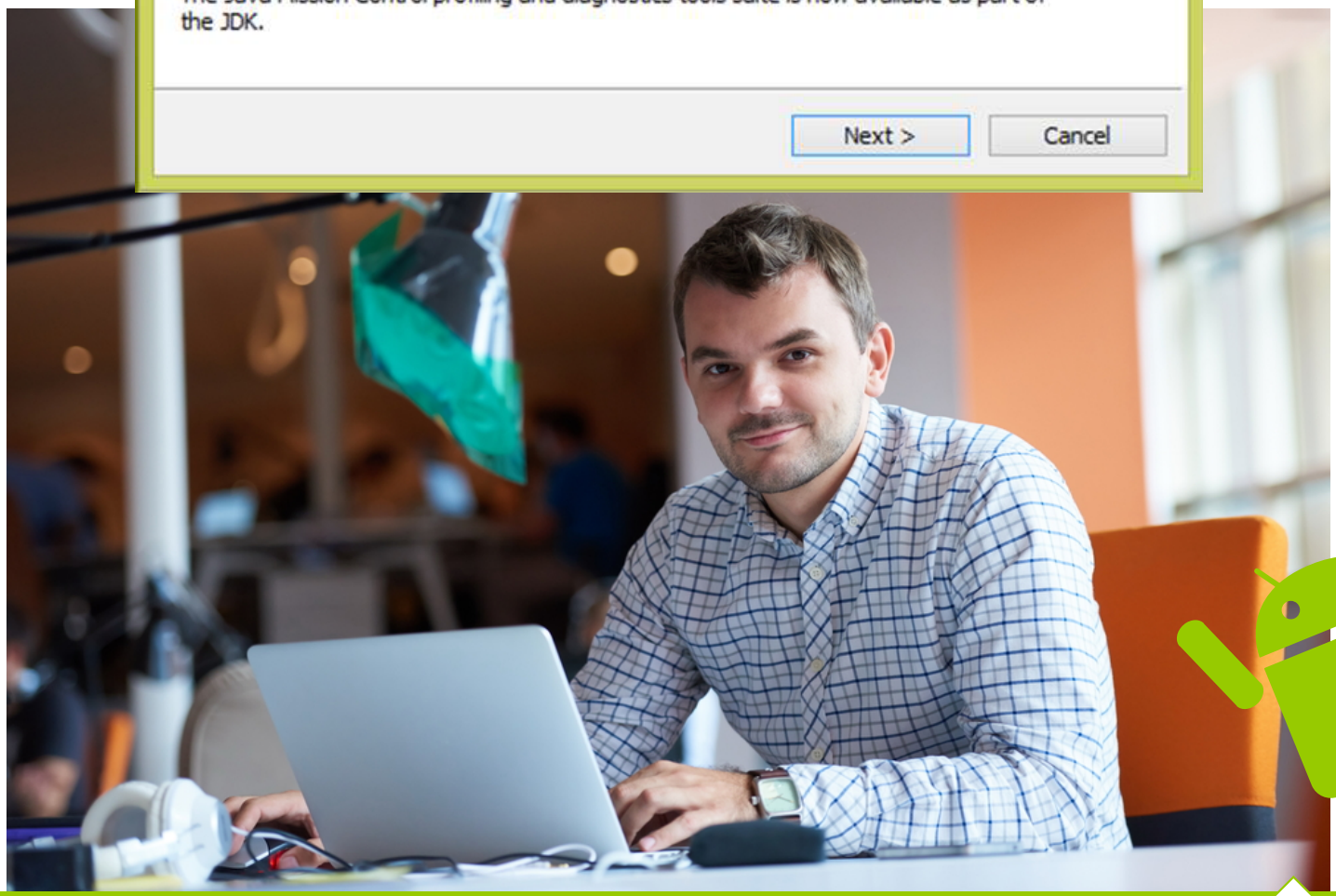


07 After accepting the License Agreement click on the software link to download the Java software.

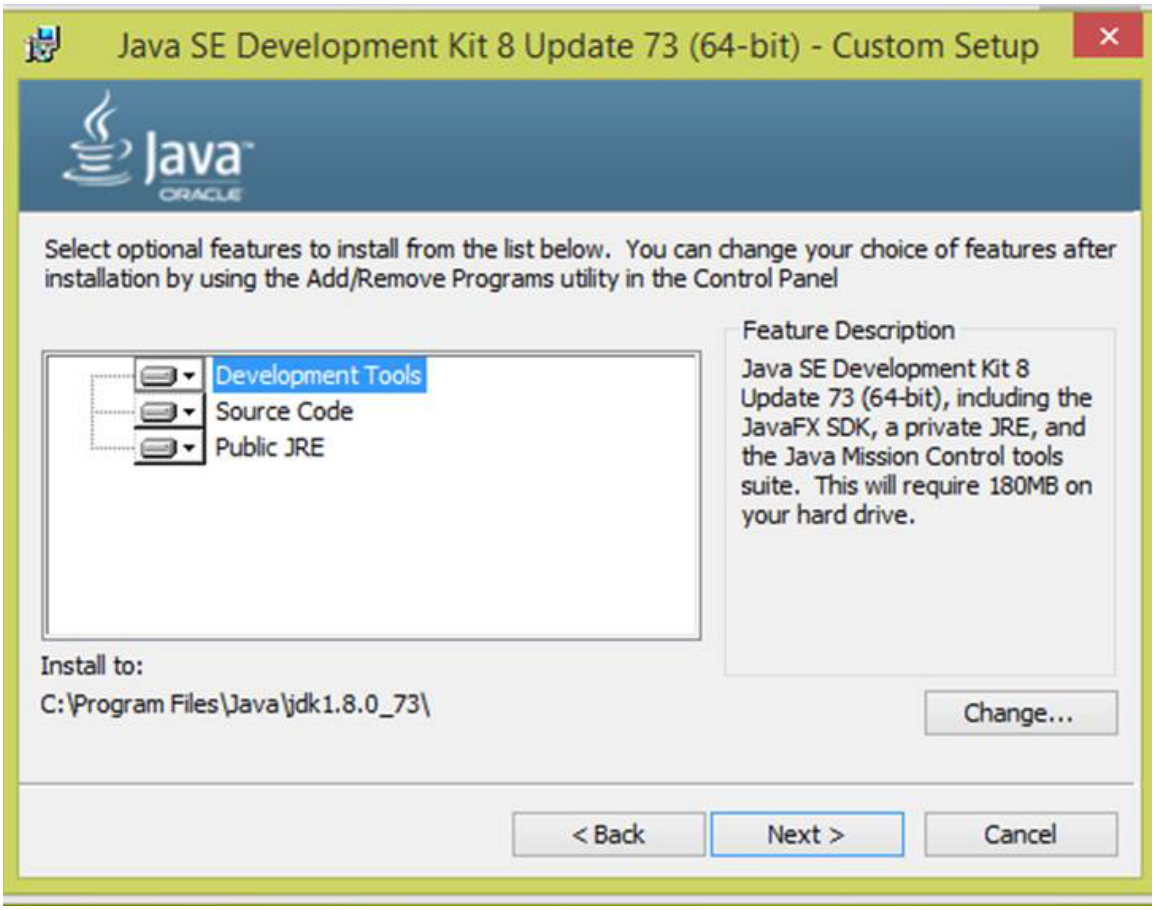


08 Once the software is downloaded, double - click on the downloaded software exe file to execute it.

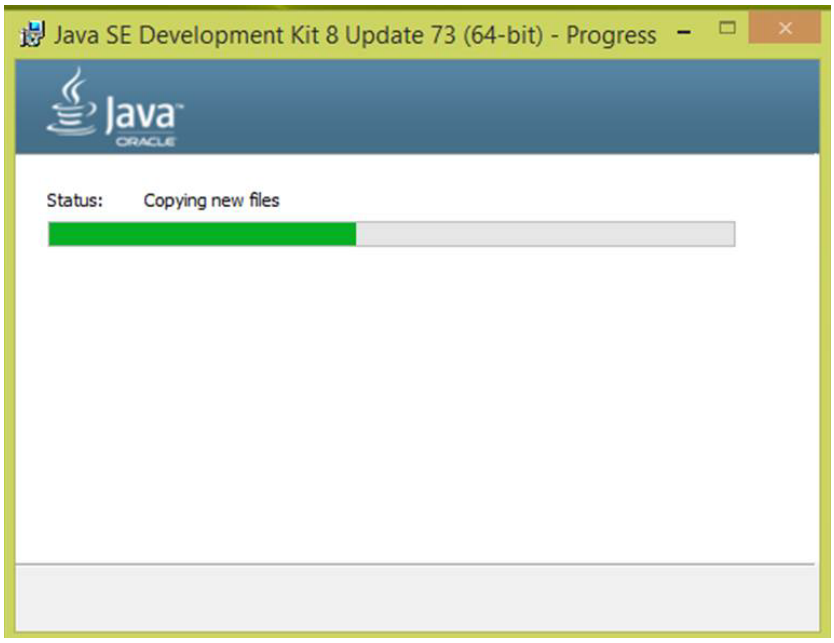
09 Installation process of Java will start as shown below.



10 Click on Next on two consecutive screens.



11 Now you should be able to see below screen with status "Copying new files".



12 Click on change button if you want to change destination path or else proceed by clicking on the Next button.

13 Now you should be able to see the status change to “Installing Java”.

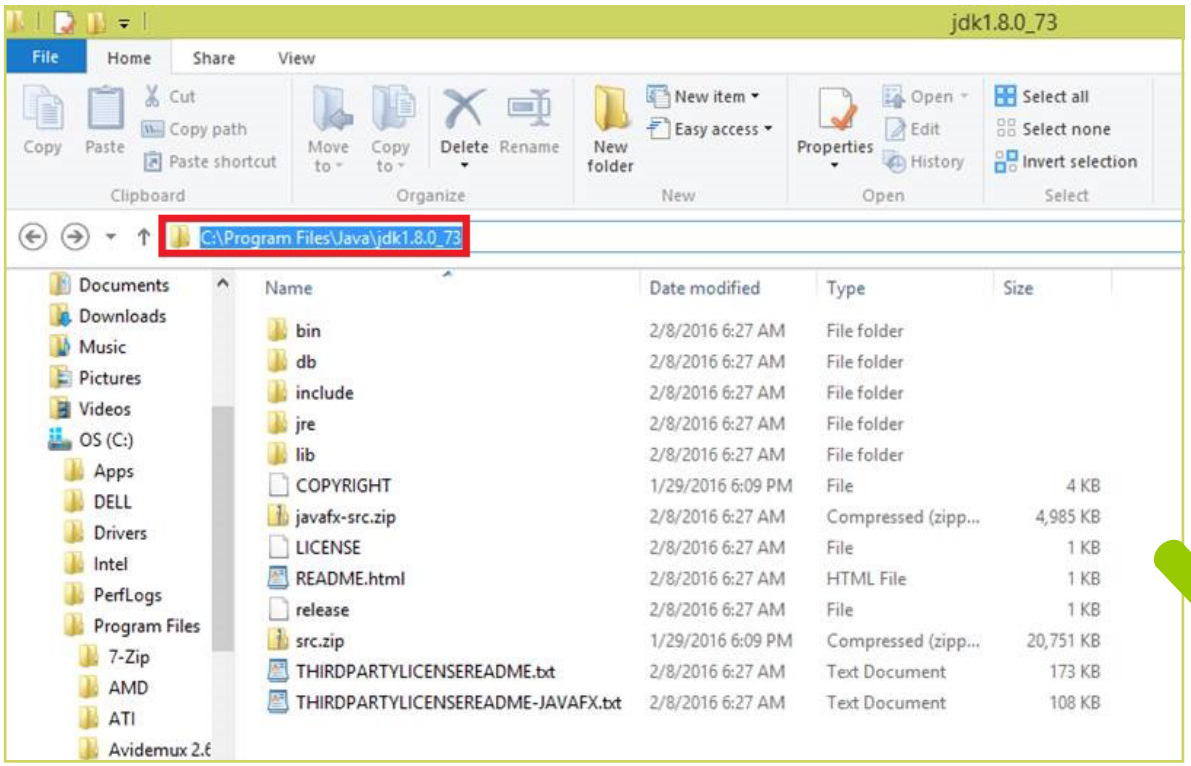
14 Once the progress bar shows as completed, you will have Java installed successfully.

15 Click on Close to complete the installation process.

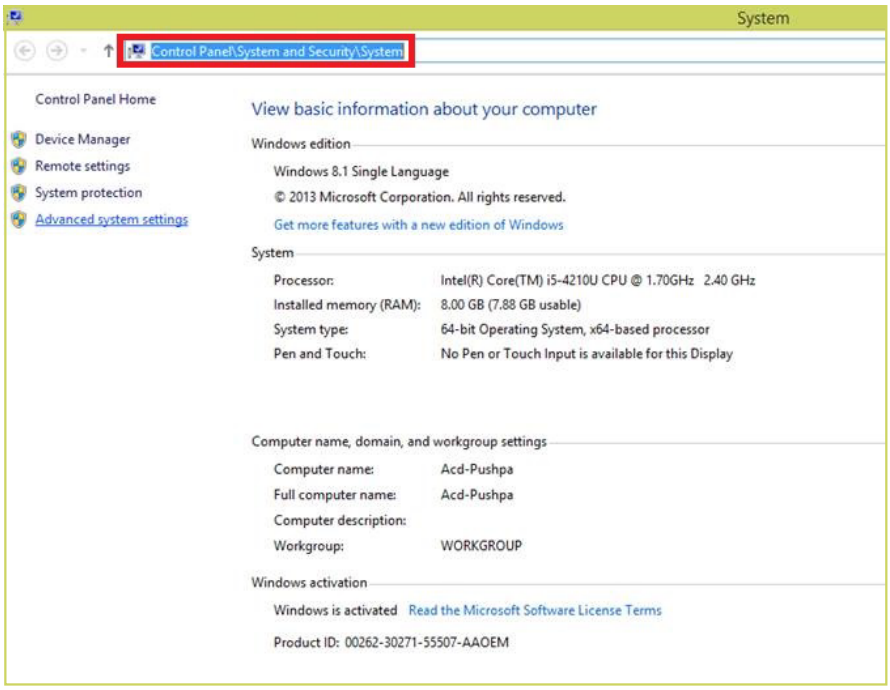
Configuring the System Environment for Java

It's now time to configure the system environment for Java

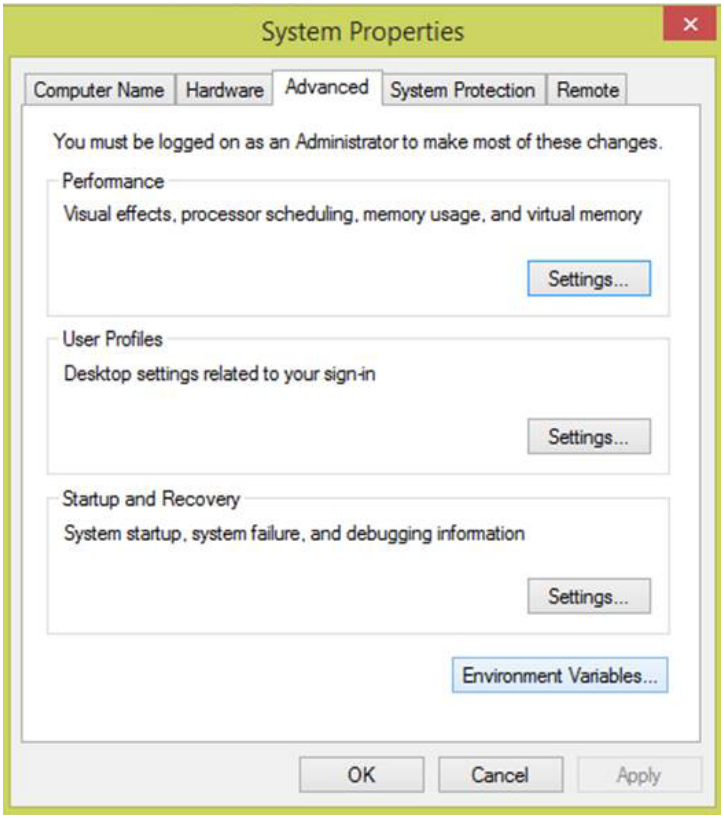
01 Select the path of the Java till JDK folder as highlighted in the picture below:



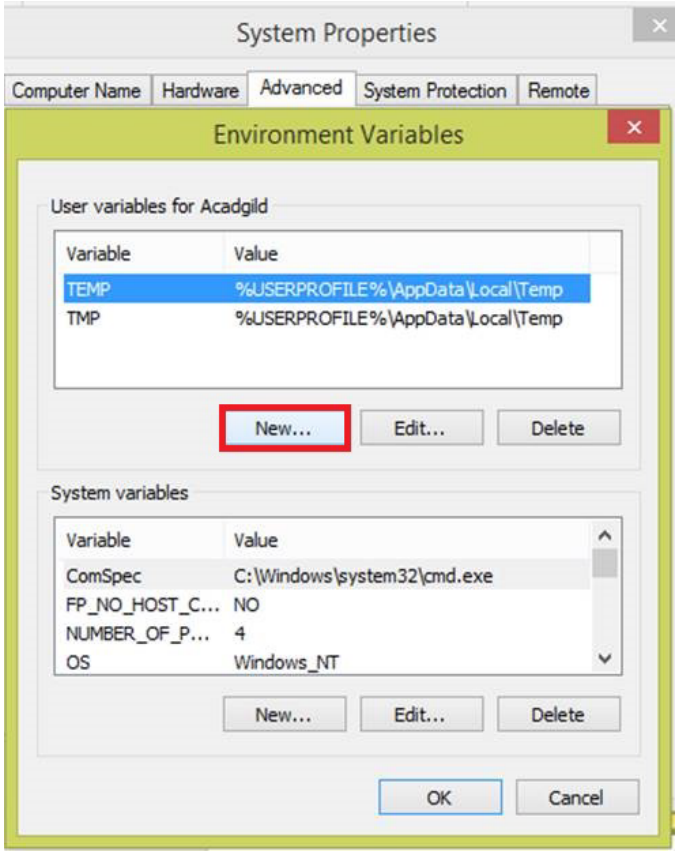
02 Now go the path highlighted in below picture and click on Advanced system settings



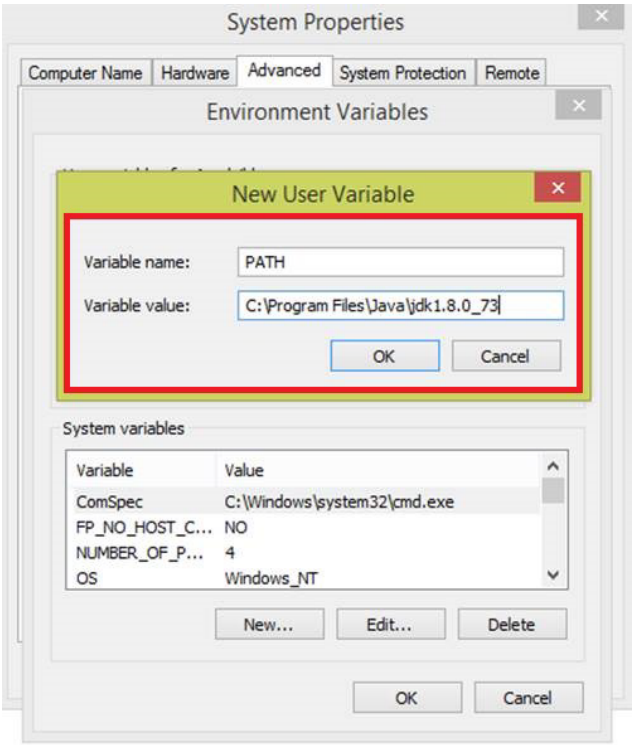
03 Click on Environment Variables



04 Click on New under User variables



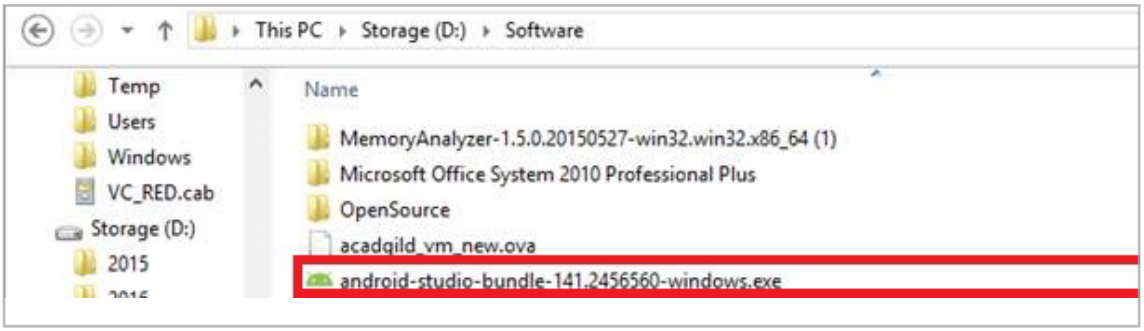
05 Enter Variable name as "PATH" & Variable value till your JDK existence as shown below.
Click on Ok several times to close all windows opened earlier.



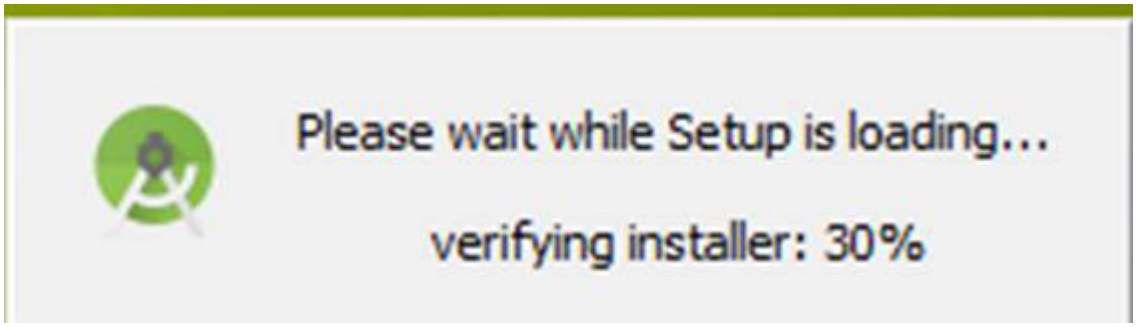
Installation of Android Studio

Let's go ahead and install Android Studio.

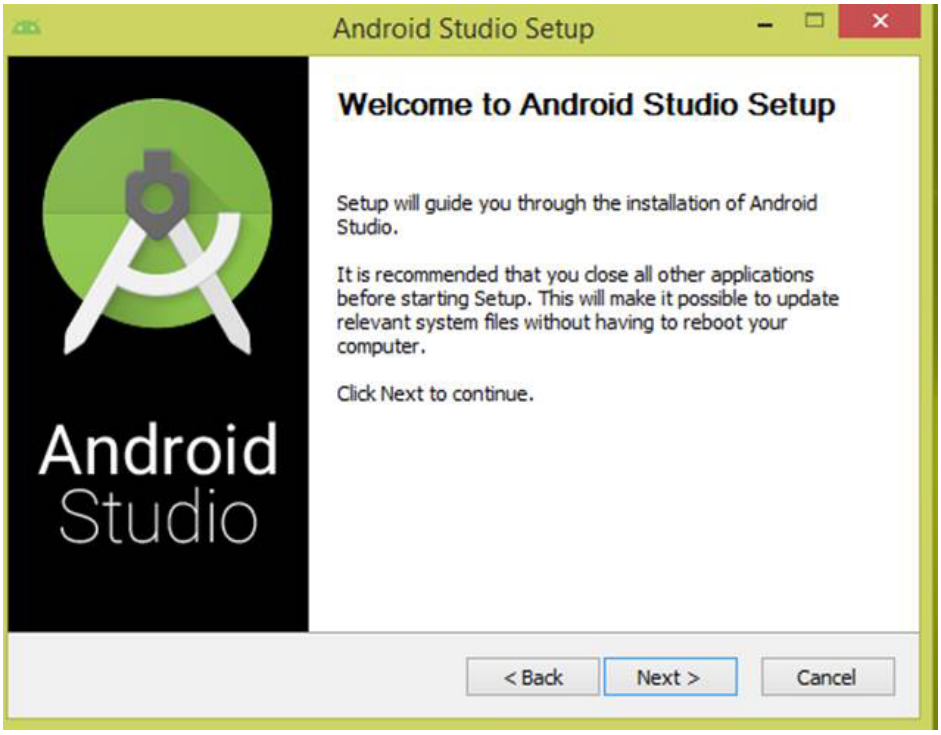
01 Download Android Studio from http://developer.Android.com/sdk/index.html. Once download is complete click on the downloaded software .exe file as shown below:



02 Your Android Studio's setup will start by first verifying the installer.

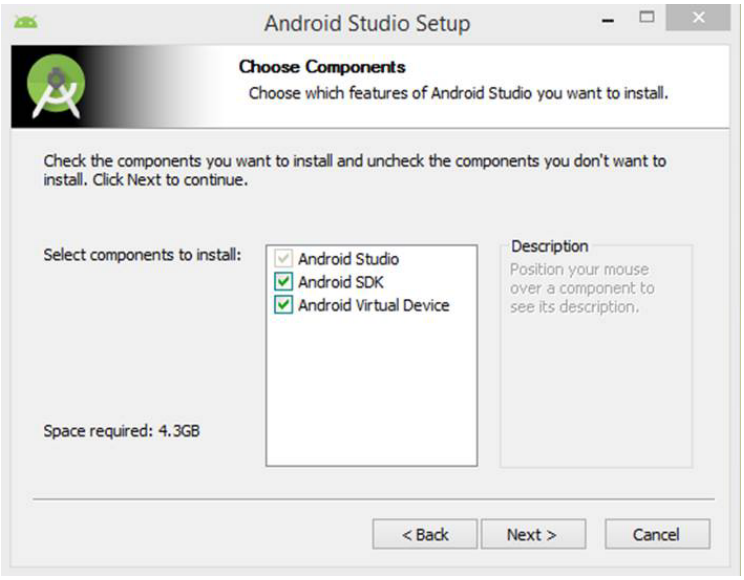


03 Once installer verification is successfully completed, you will be able to see the below mentioned welcome screen:

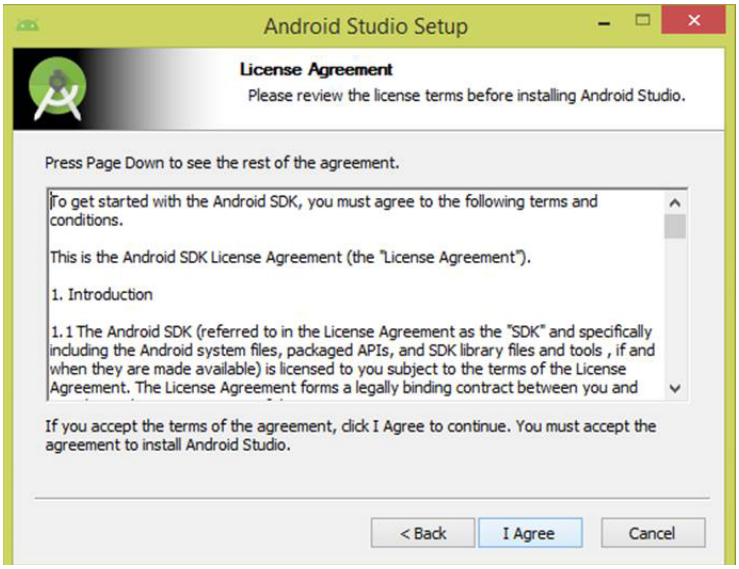


04 Click on "**Next**".

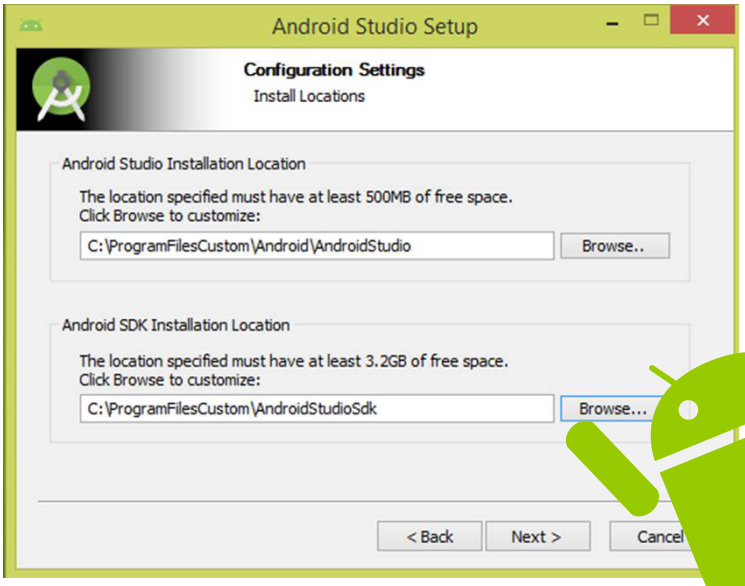
05 Make sure to check Android SDK & Android Virtual Device and then click on Next button



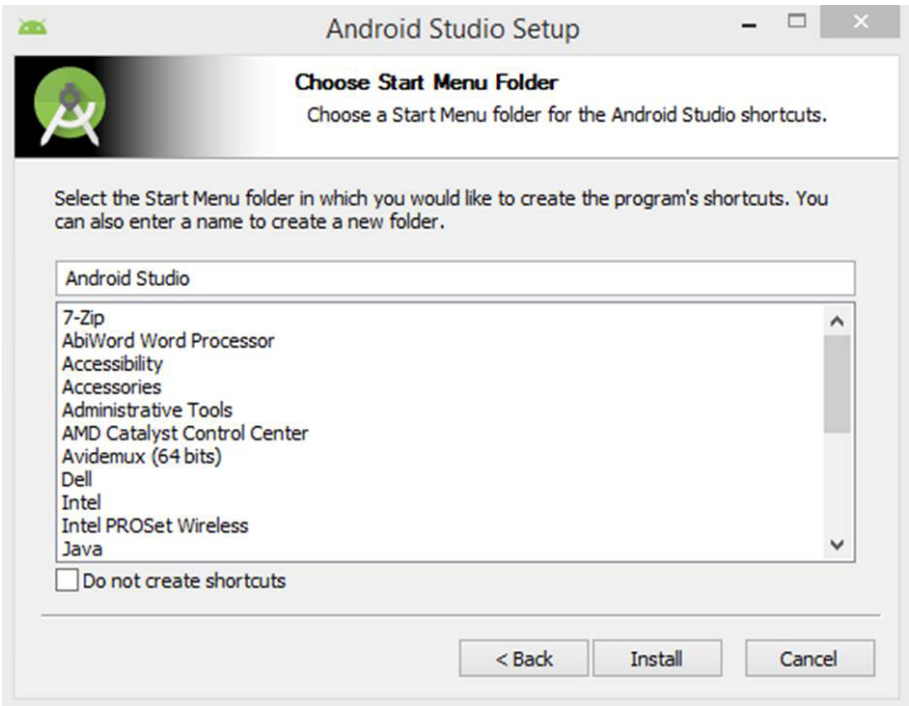
06 Click on "**I Agree**" button



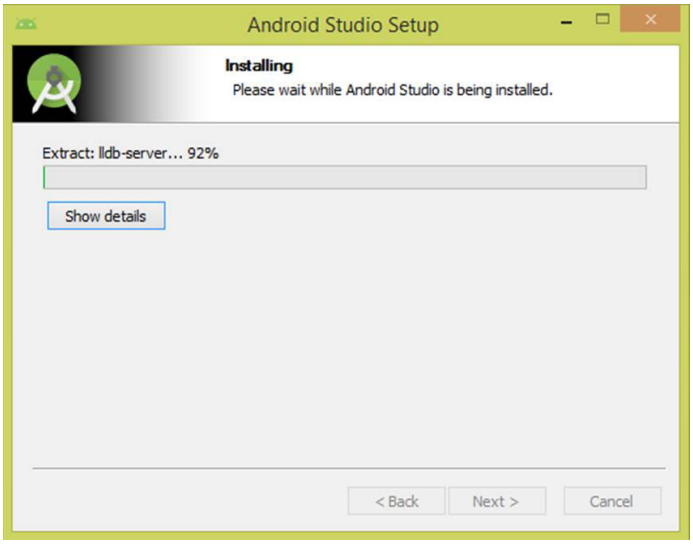
07 Browse the location of Android Studio & SDK as shown below and then click on Next



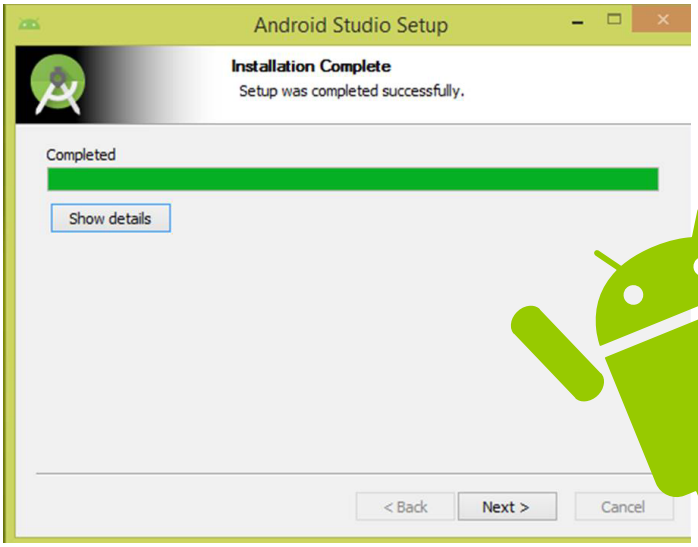
08 Now click on "**Install**" button



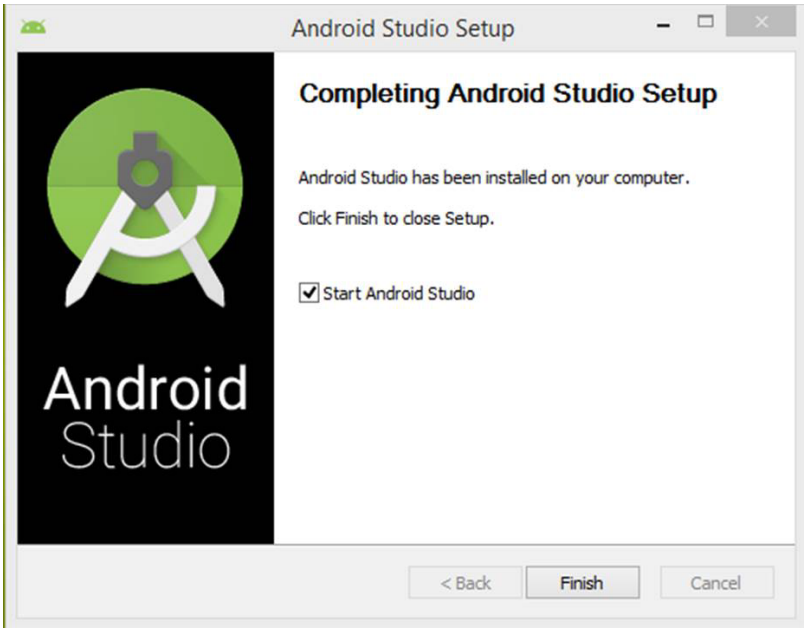
09 You should now be ableto see the below installation progress screen:



10 Once installation in complete you should be able to see below screen. Click on Next.



11 That's it. Click on Finish and you are done!

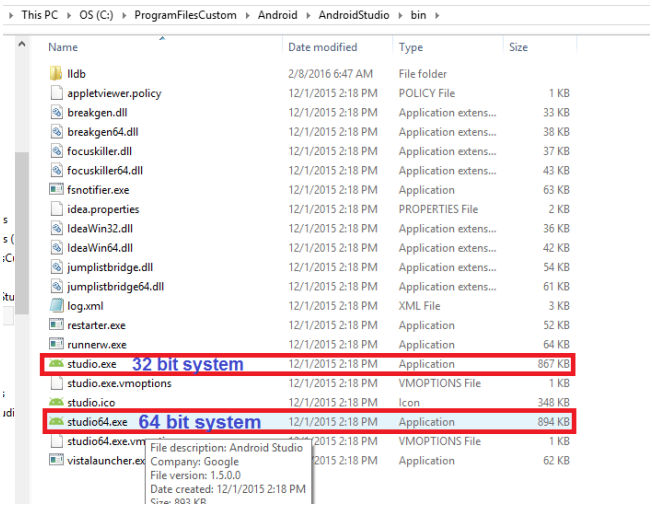


If "Start Android Studio" is checked, then it will automatically start Android Studio.

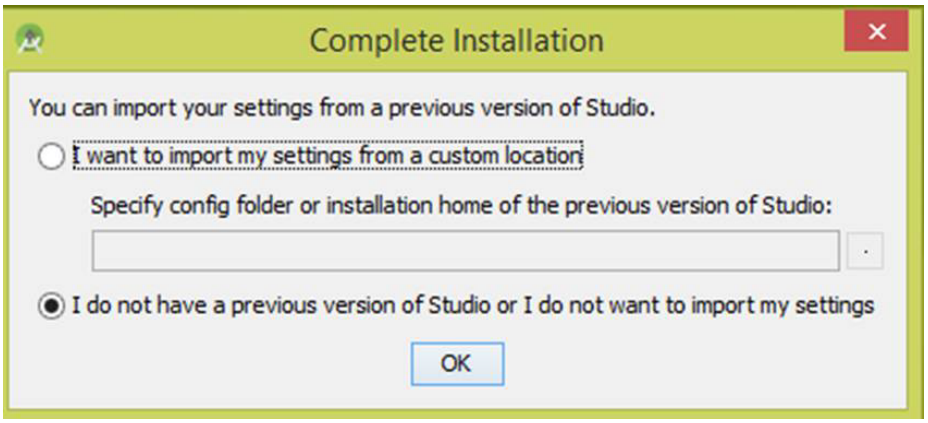
Android Studio First Launch

We need to follow the below mentioned steps while launching Android for the first time.

01 I have opened my Android Studio by clicking on "studio64.exe" as my system type is 64 bit.

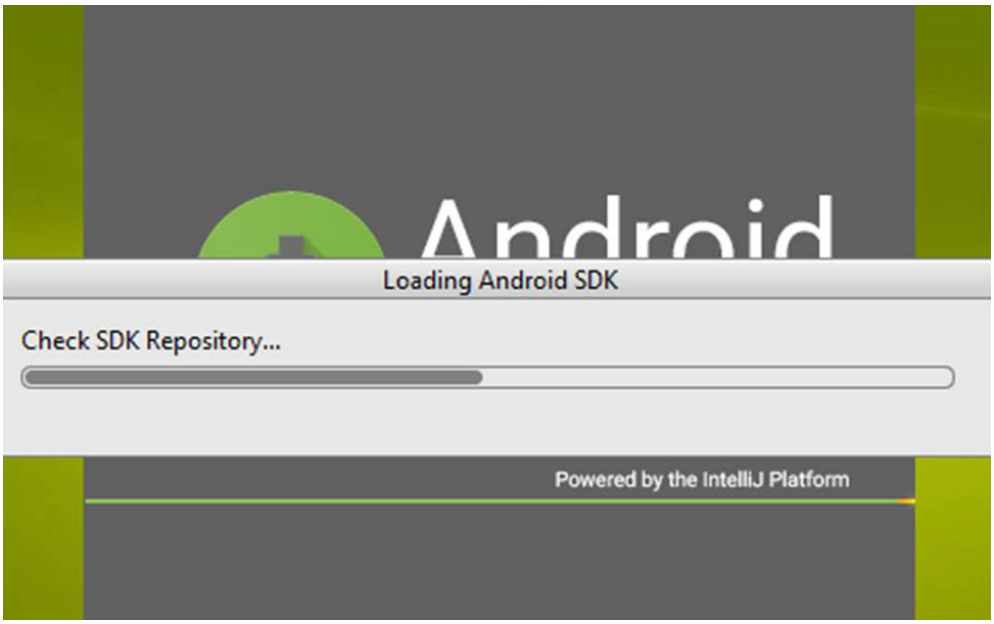


02 As you are installing Android Studio for the first time make sure to select the second option as shown below & then click on OK.

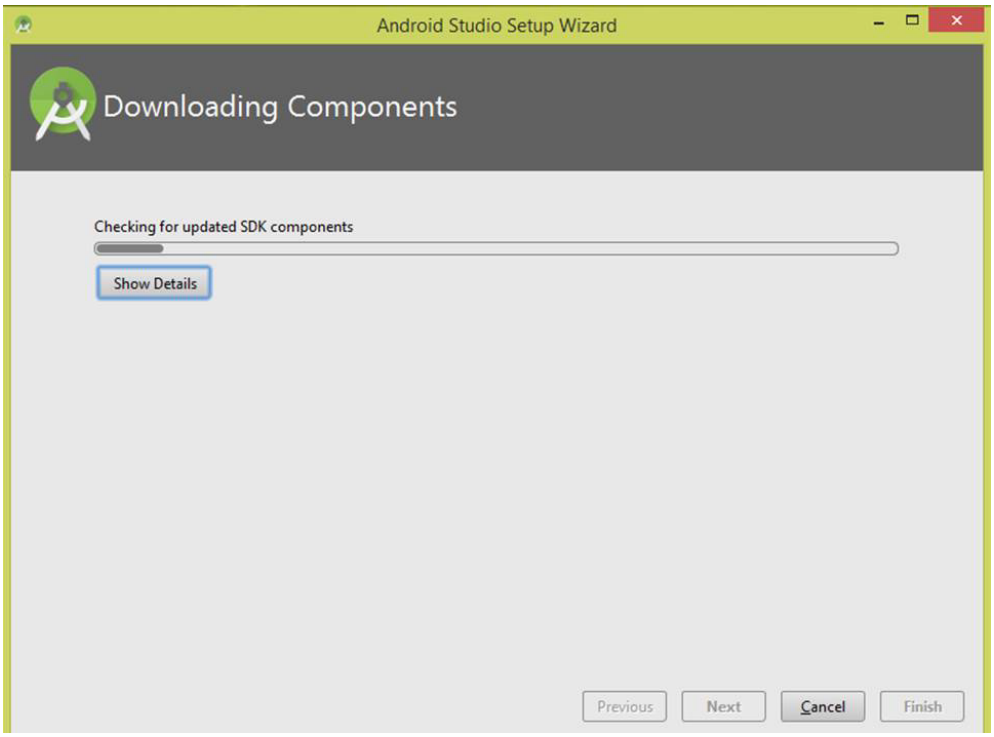


03 Allow access of Android Studio in the Windows Firewall

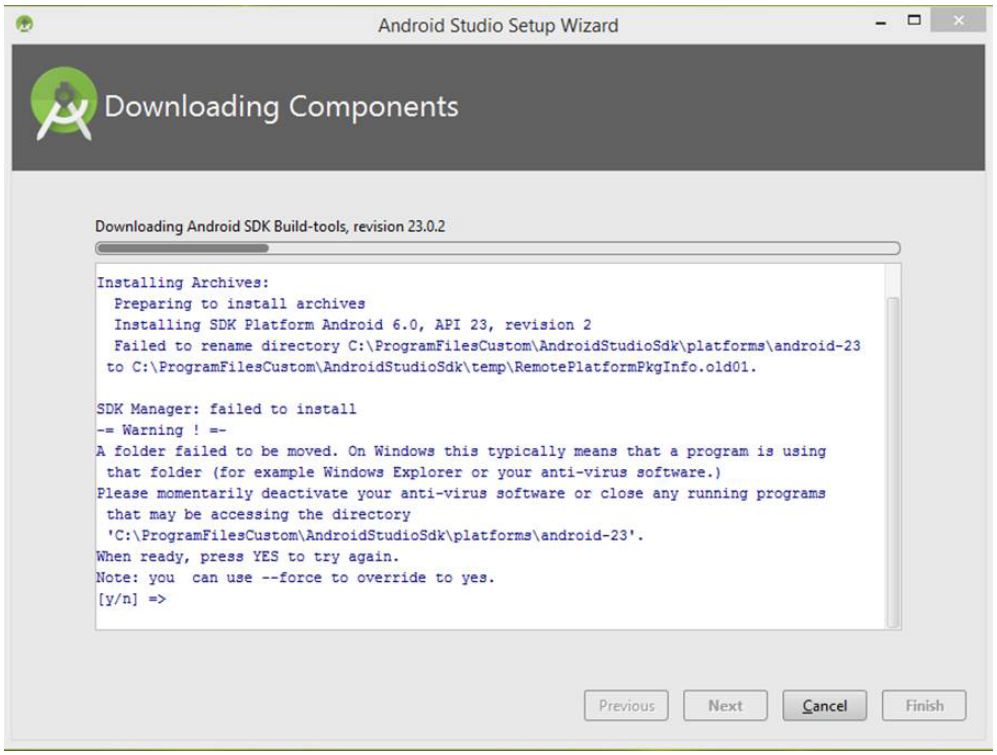
04 Android studio will start checking for SDK repository



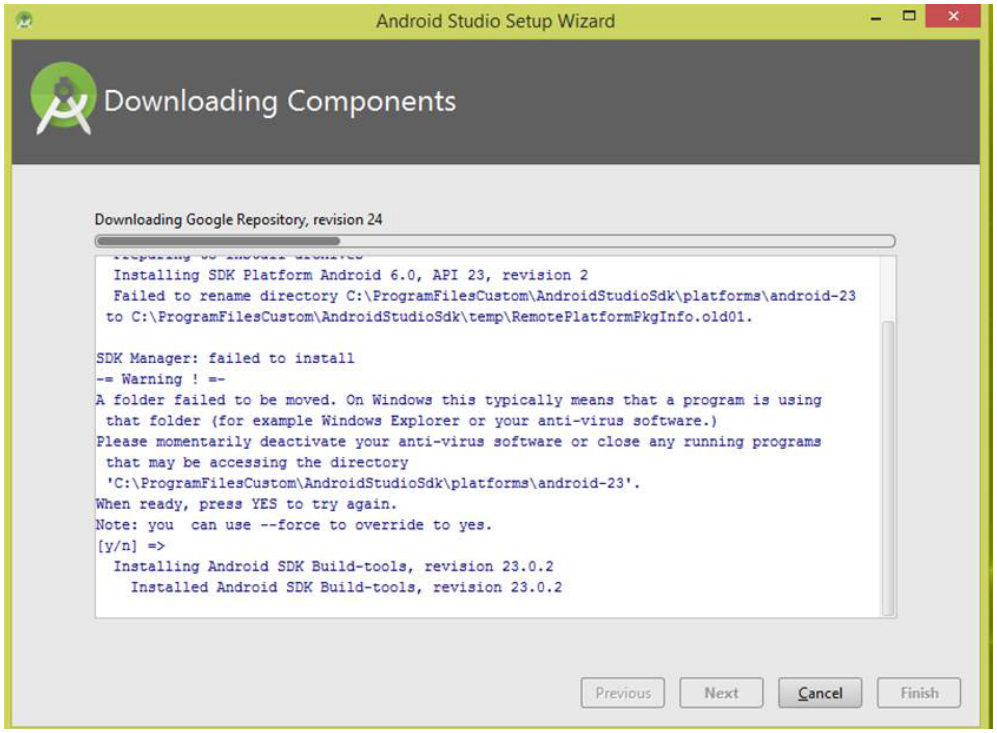
05 Once Android Repository check is complete, it will start downloading the components.



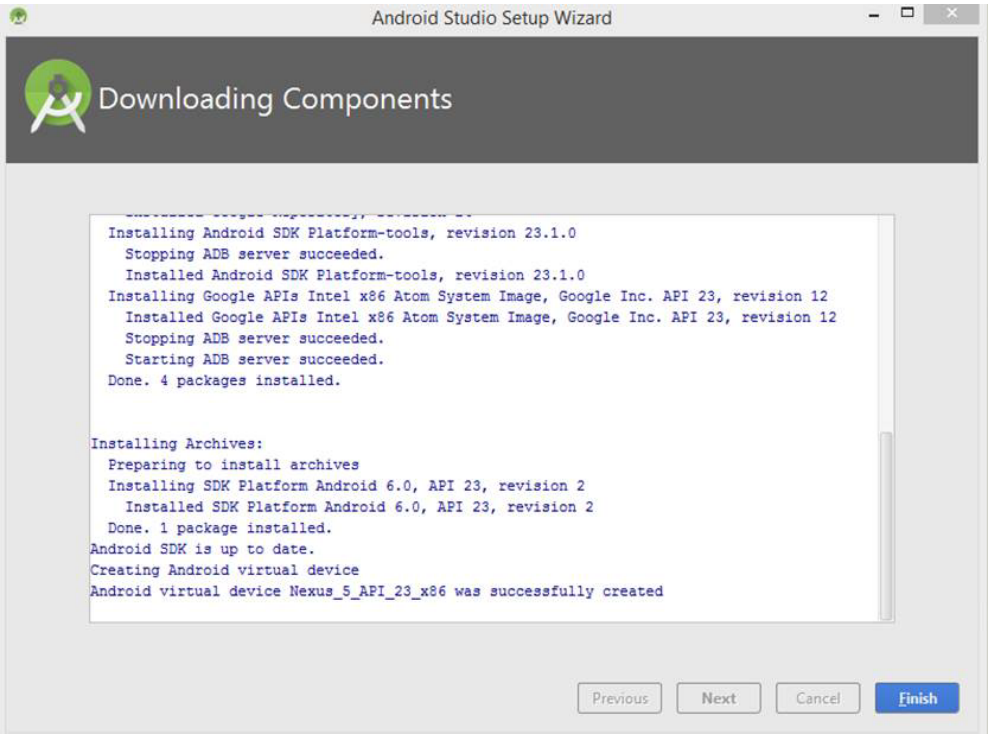
06 Wait for some time till it completes this process. In case, you see some warning as mentioned below enter "Y" and wait for some time



07 The process of downloading the components will start again.



08 Once the installation process is completed it display a confirmation message stating the same.



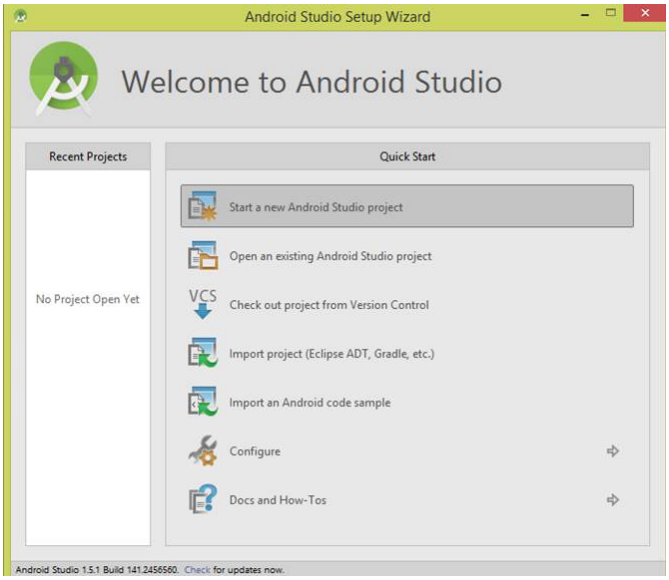
It's now time to create a sample app.

Creating Android Sample App

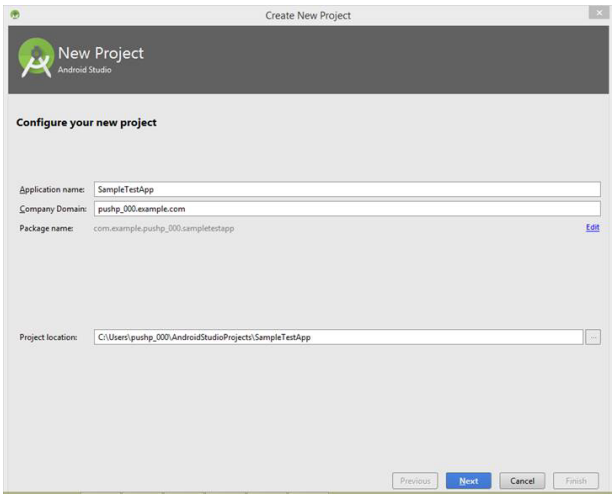
We will now go through the steps of creating a Sample app.

01 Open Android Studio Setup Wizard.

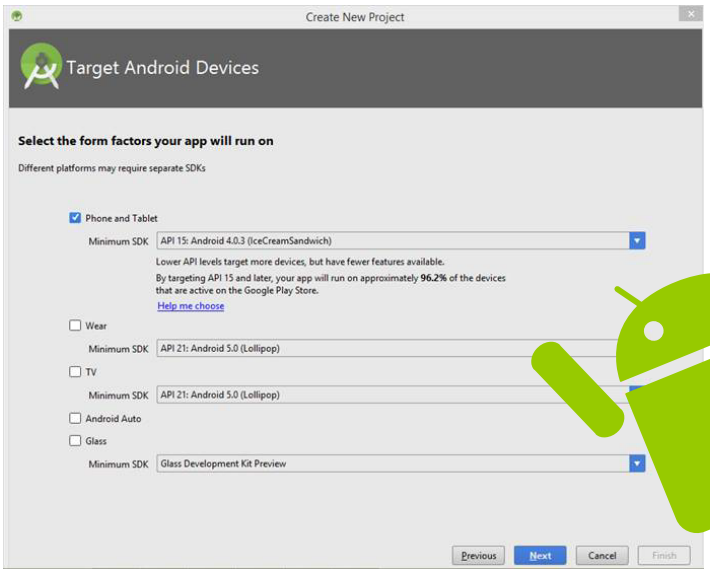
02 Click on “Start a new Android Studio project”.



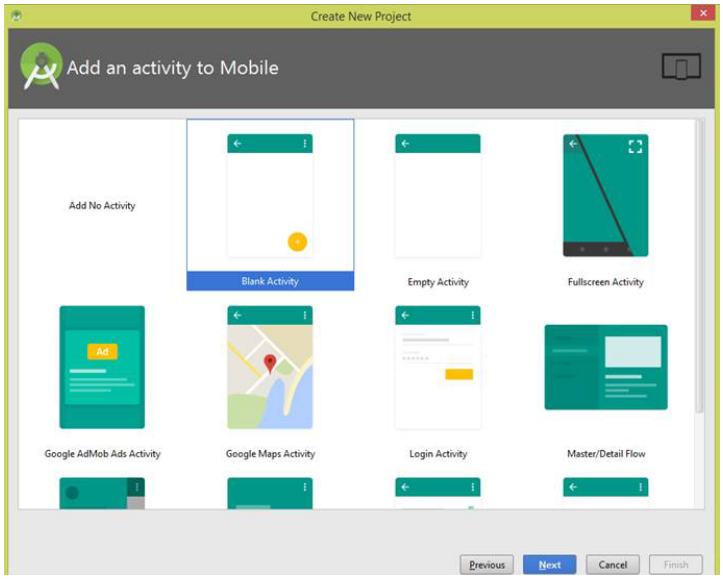
03 Enter application name & company domain name. Then click on Next.



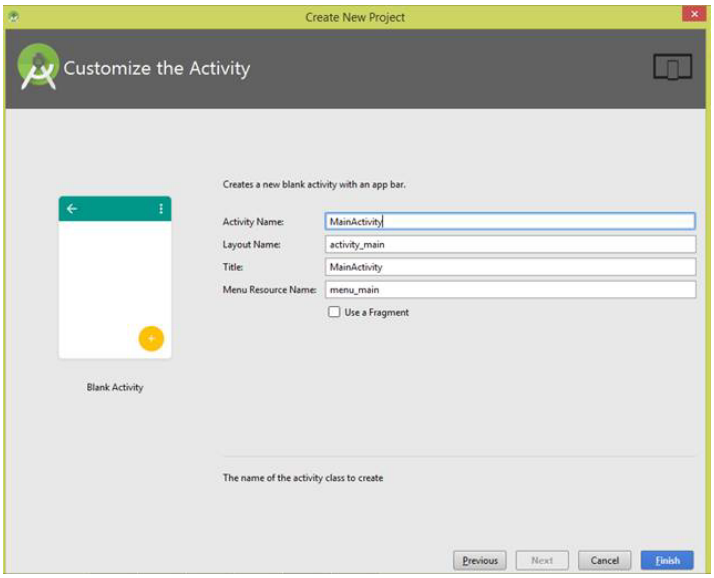
04 Select “Phone & Tablet” on the next screen and click on “Next”.



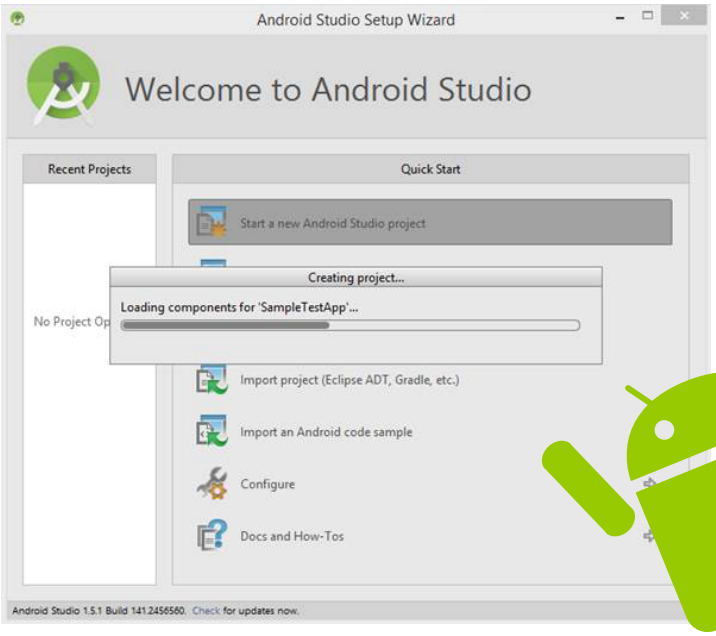
05 Select “Blank Activity” and click Next.



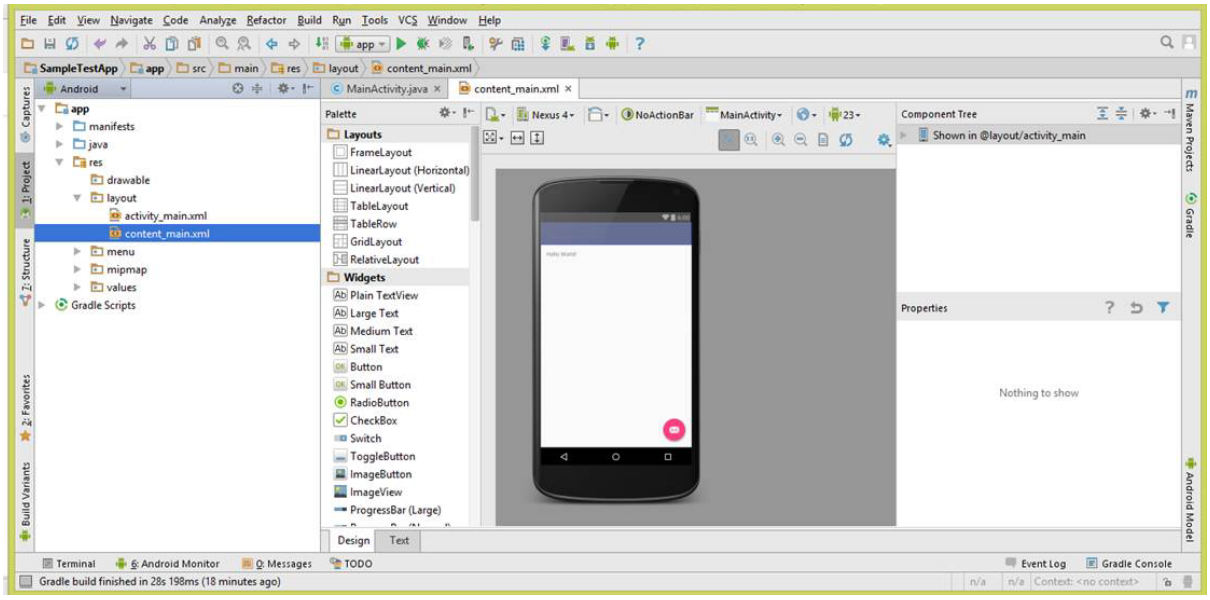
06 Enter the details for Blank Activity as shown in picture below and click on Finish.



07 Now wait for some time till the project gets created.



08 That's it you are done with creation of your first Android app.



So then go ahead and create your own apps and play around with the different features that are available.

Hope this detailed step by step process has made Android installation an easy task for all who are new to Android. So then what's stopping you from creating some awesome apps.

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