How to use Android Studio

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Introduction

This tutorial was tested on Win7 64bit Pro.
The PC that I used is HP with processor i5 vPro and 4G of RAM.
Pay attention that when you choose some options (Build, Debug) you must
waiting some seconds before to see the execution of your selection.

For using **Android Studio** must be present on your PC the **Java JDK**.
The **JDK** is a development environment for building applications, applets, and
components using the Java programming language.
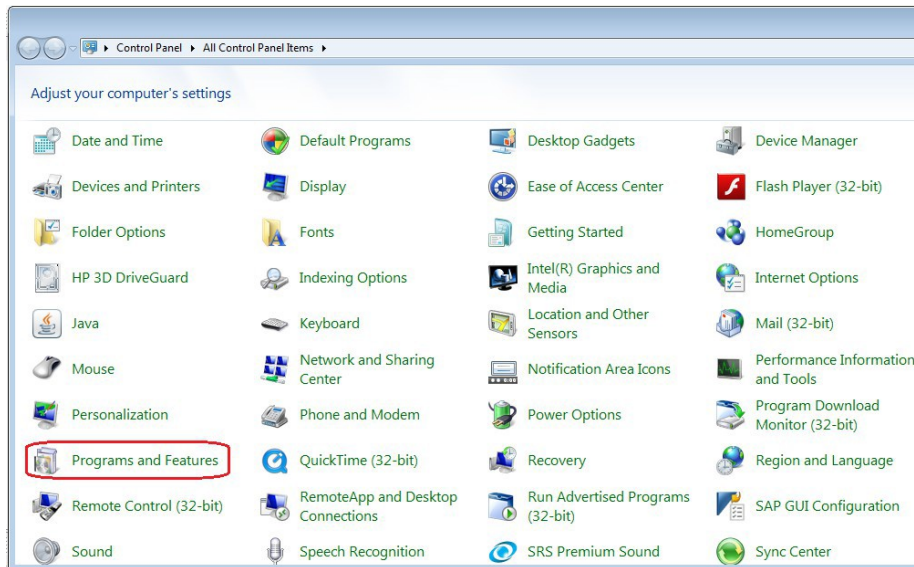The **JDK** is also called: **Java SE Development Kit**

Install Java JDK

If you don't know if there is a **JDK** (also called: **Java SE Development Kit**), on your PC do this steps.
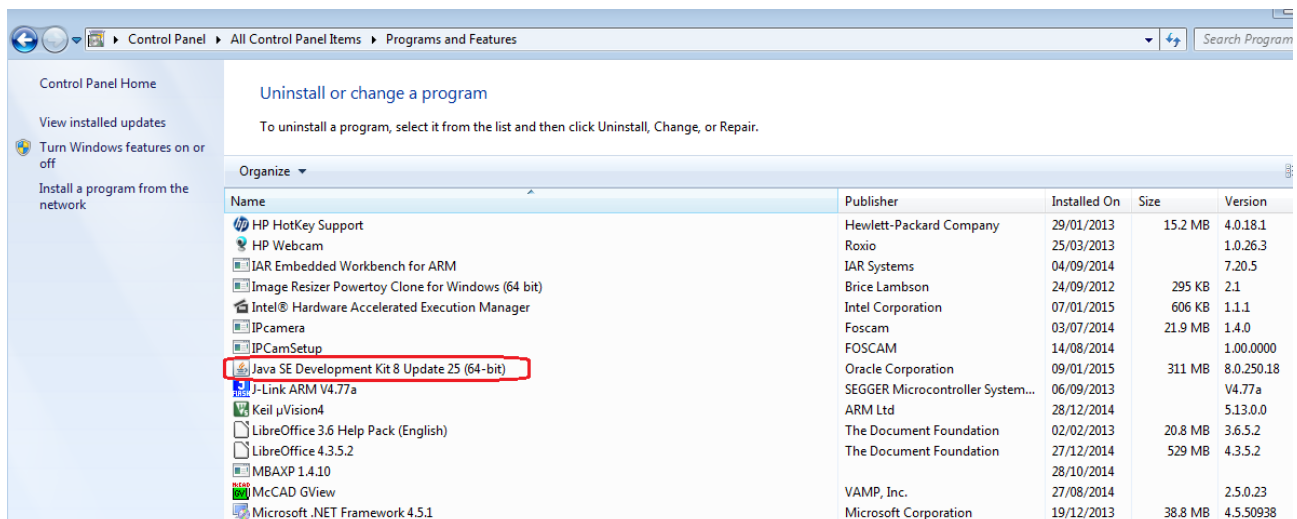Select **START** (1) and next **Control Panel** (2), see below.

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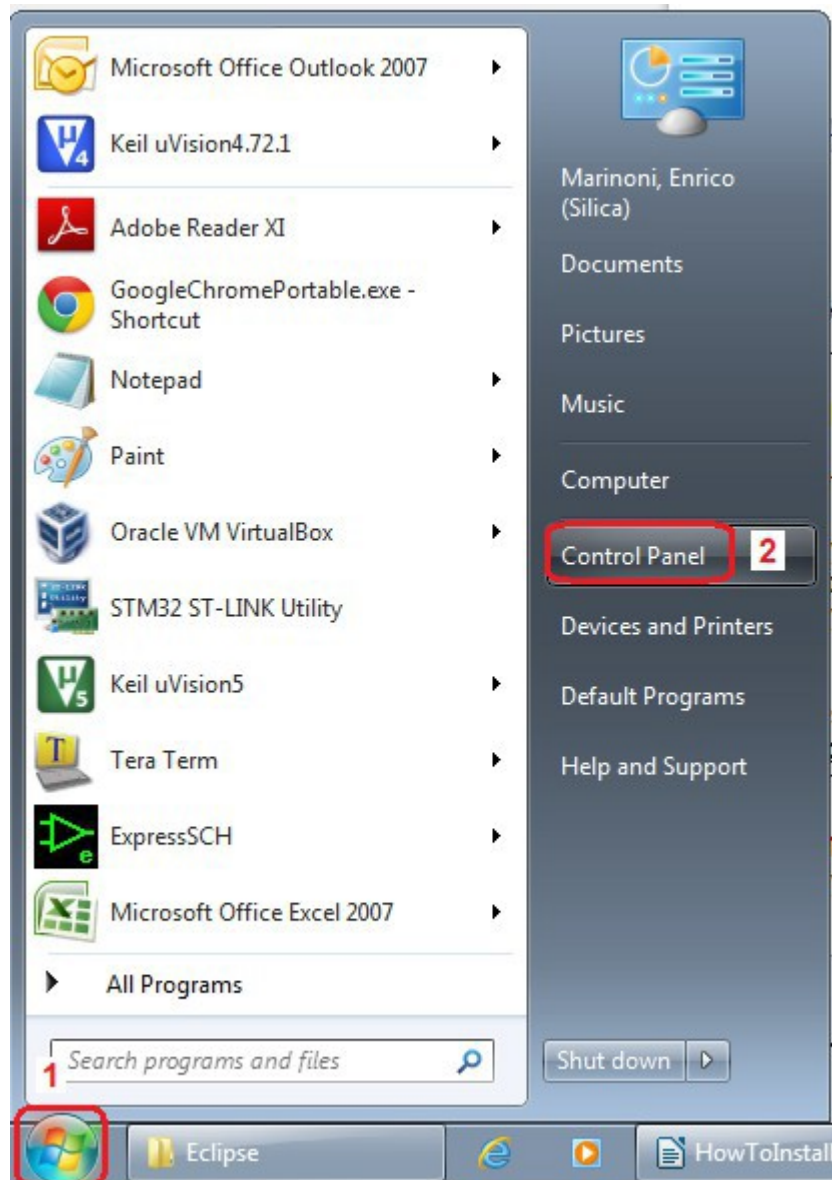
From the window that appears select:
Programs and Features
see below.

From the new window that appears you must see something like below, see the red box.
In my case I have installed the: Java SE Development Kit 8 Update 25 (64-bit)

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If you don't see Java JDK (JSE), please install it.
You must choose the right JDK (32bit or 64bit).
See **here**.

Test your Java installation using this link, see below.

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Configure the **Java System Environment Variable for Android Studio**

For using Android Studio is necessary configure an environment variable called **JAVA_HOME**, for do this follow the instructions below.

Start → System..... (see below)
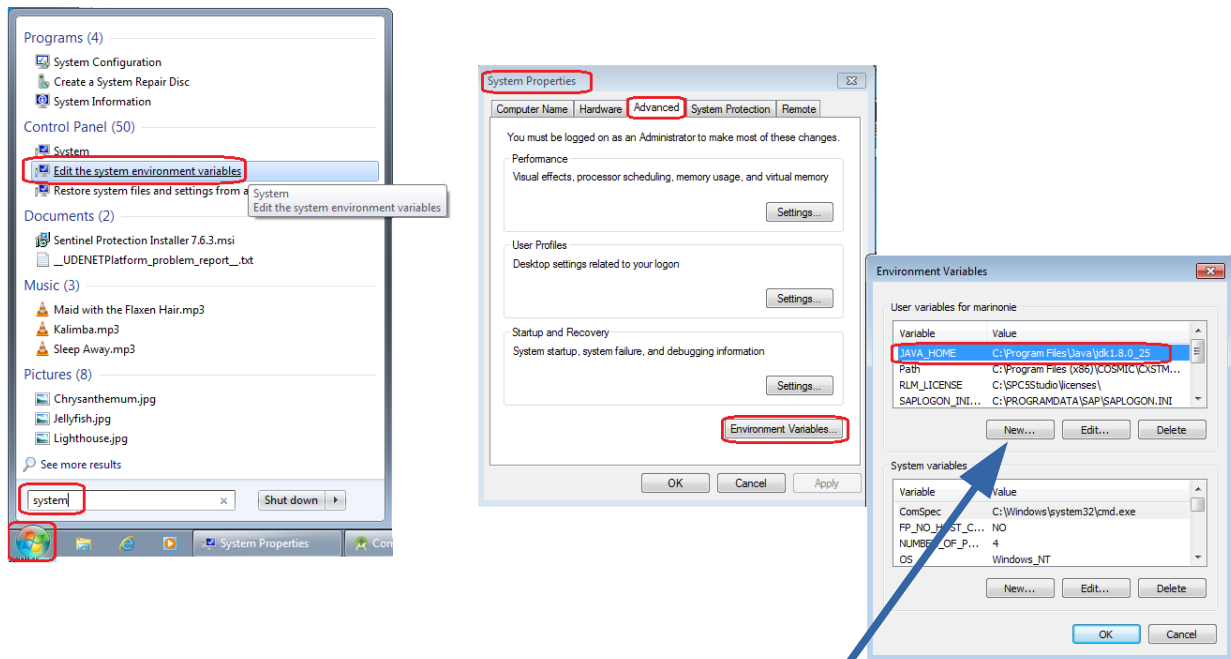
It is very important to add this variable:
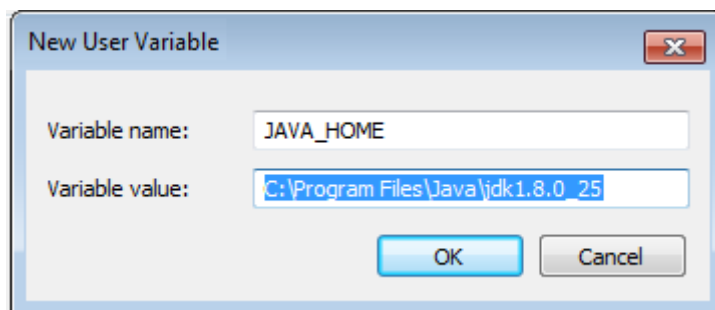**JAVA_HOME**
for do this select **NEW** and configure the new window that appears, see below.

C:\Program Files\Java\jdk1.8.0_25
is the directory where there is JDK on my PC.

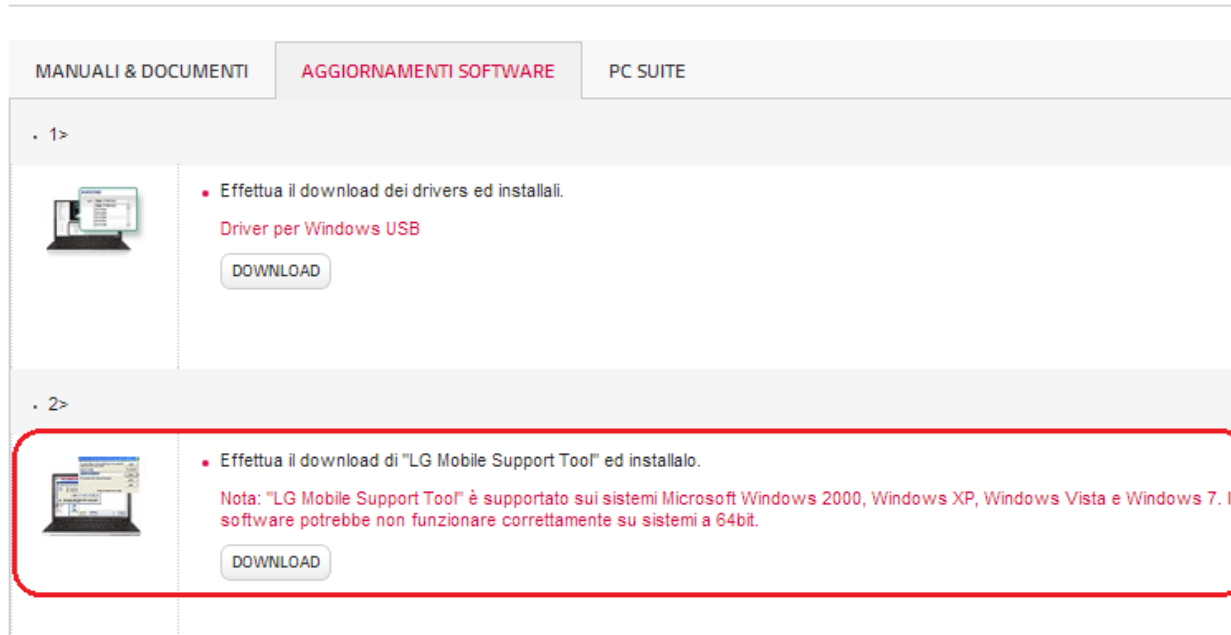**Install the USB drive for your smartphone or tablet for using it in debug with Android Studio**

For use your smartphone or your tablet for debug your APP you must install the appropriate USB driver.
I have an LG-E610, for find the USB driver I did a search using google and this phrase:
Android Studio LG-E610
and I found this **page**, see below, that contain the right driver.

Do the same search for your smartphone or tablet.

Install Android Studio

Download end install the Android Studio from here.

Do a simple APP for test your Android Studio installation

Run the Android Studio
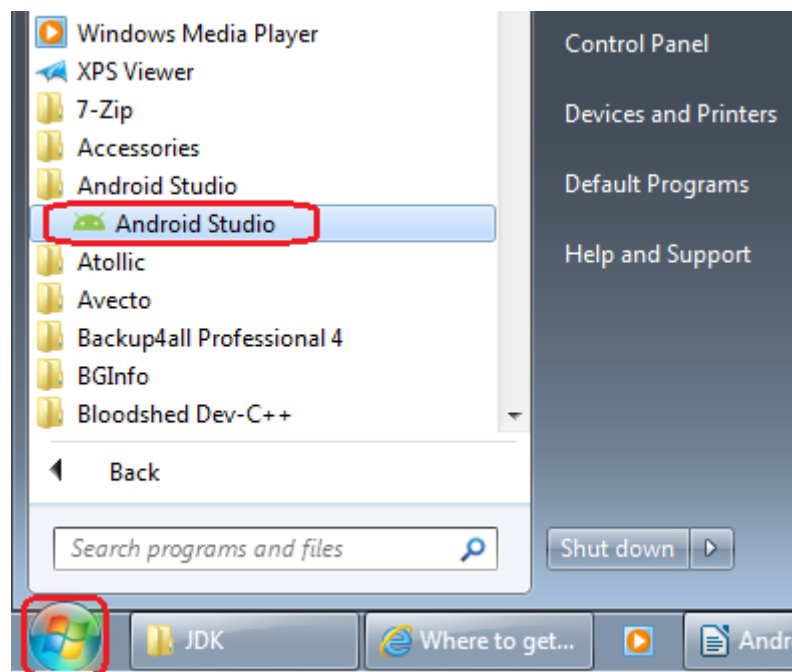
Select New Project and configure the windows that appears, see below.
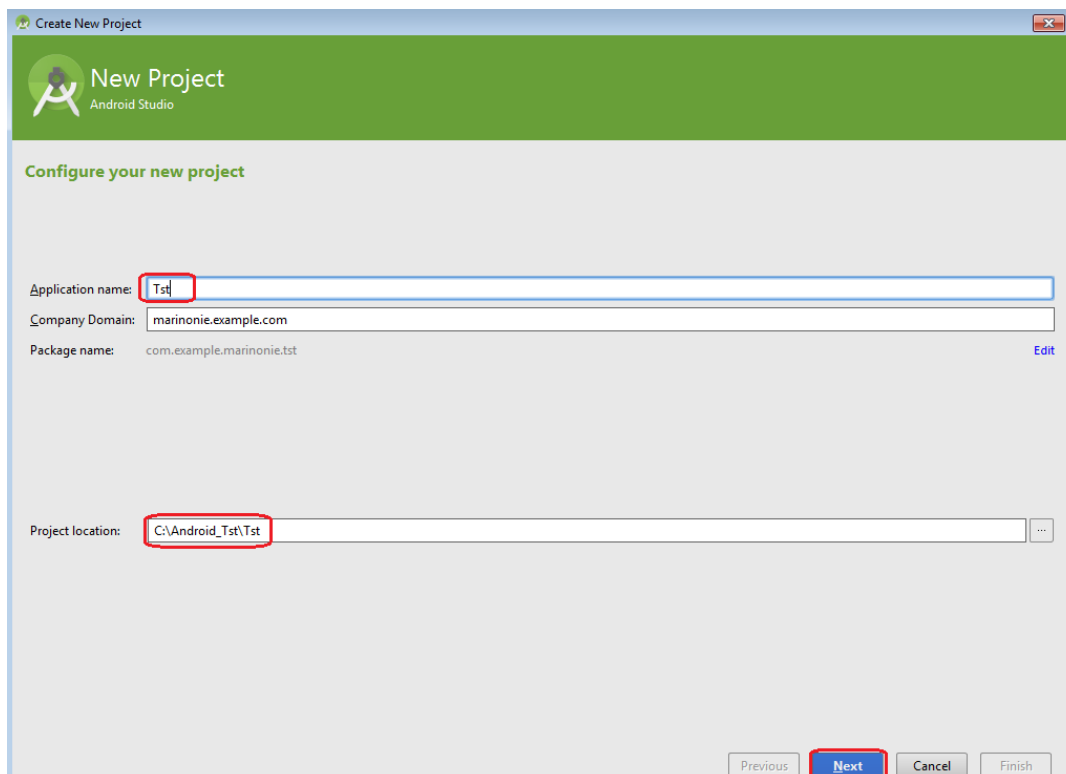
From the new window that appears you must choose the version of Android for which you want develop the APP and press NEXT, see below.
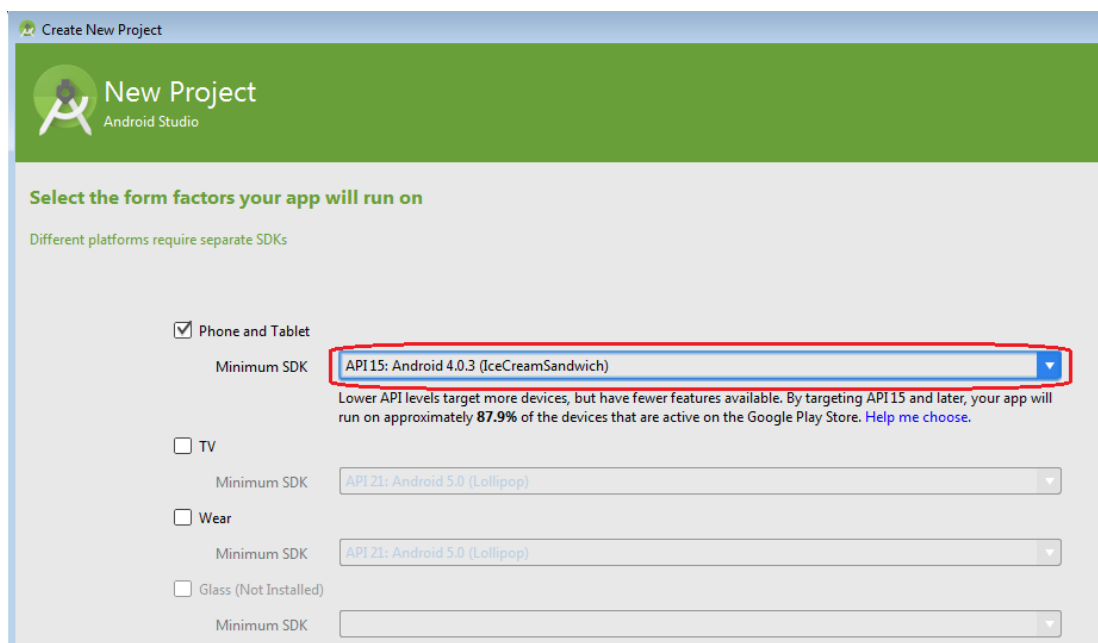
From the new window that appears select: **Blank Activity**
and press NEXT, see below.
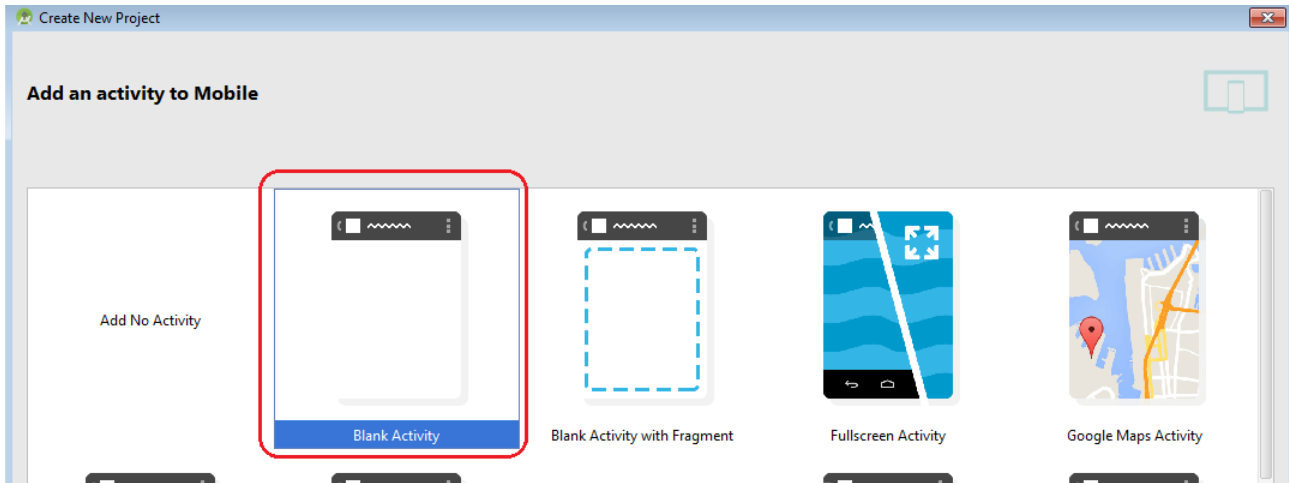
Configure the last window as show below and press FINISH.
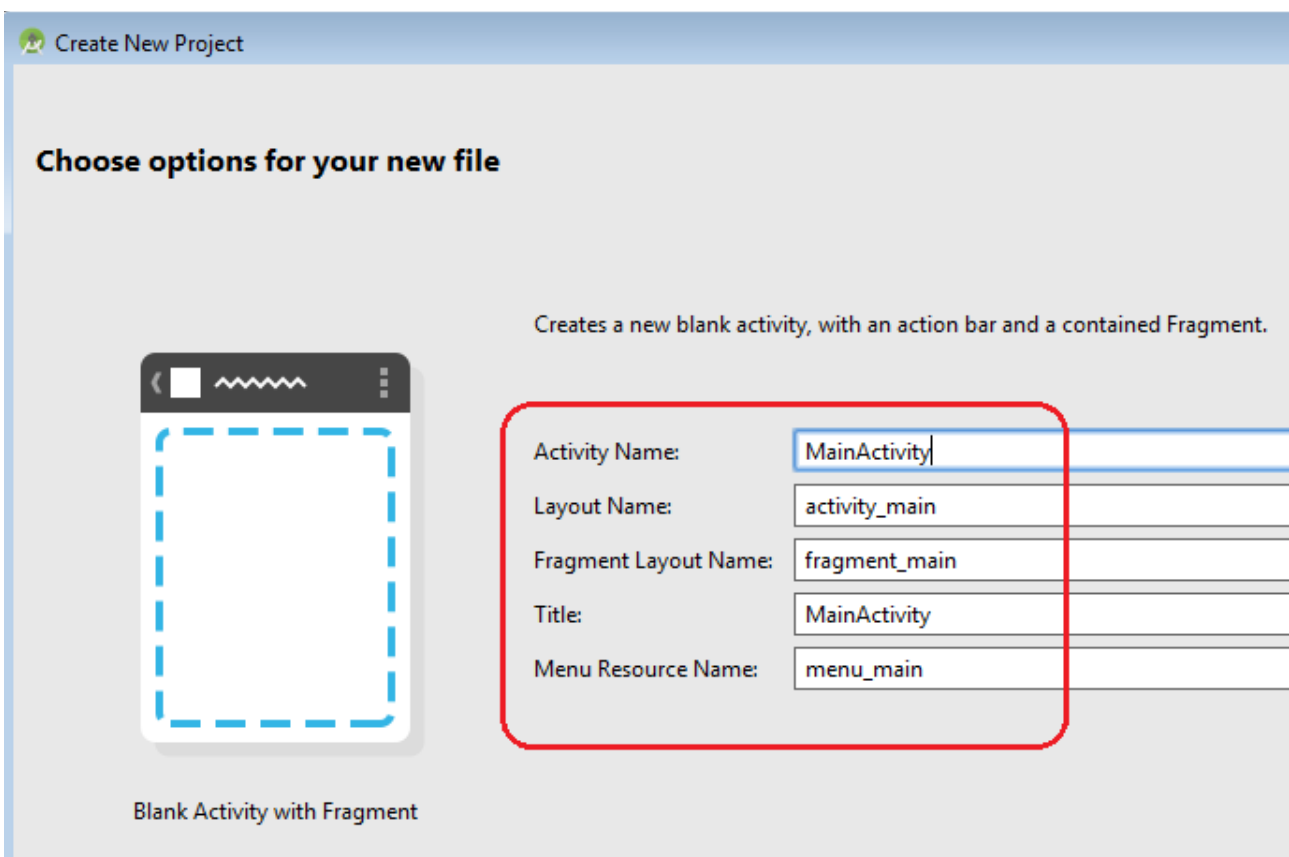
After you have pressed FINISH the Android Studio configure the environment

(must be necessary a Internet connections and be patient).
At the end you must see something like below.
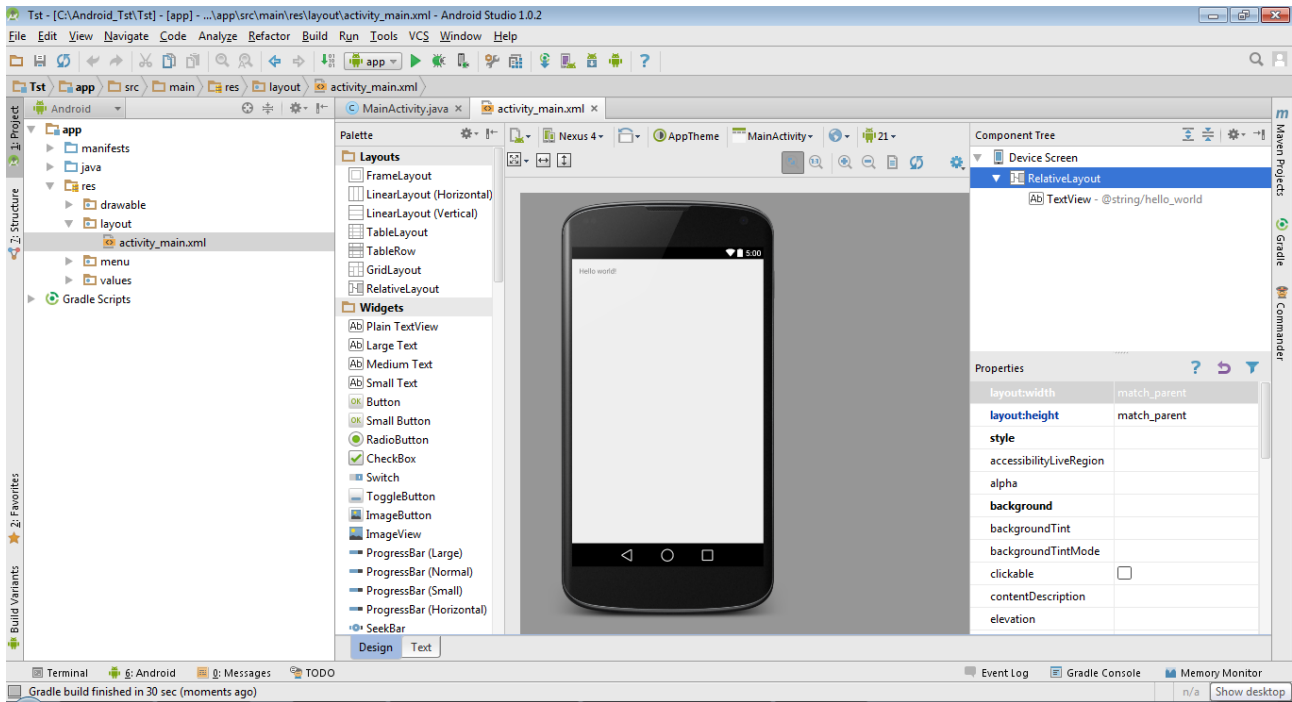
Select a smatphone or tablet to use in debug

At this point you must choose the right screen resolution for your smartphone for use it in debug.
In my case, I have an LG-E610 (*4", 320x480pixel, HVGA*) and I choose:
HVGA slider (ADP1)(320x480; mdpi) – see below.
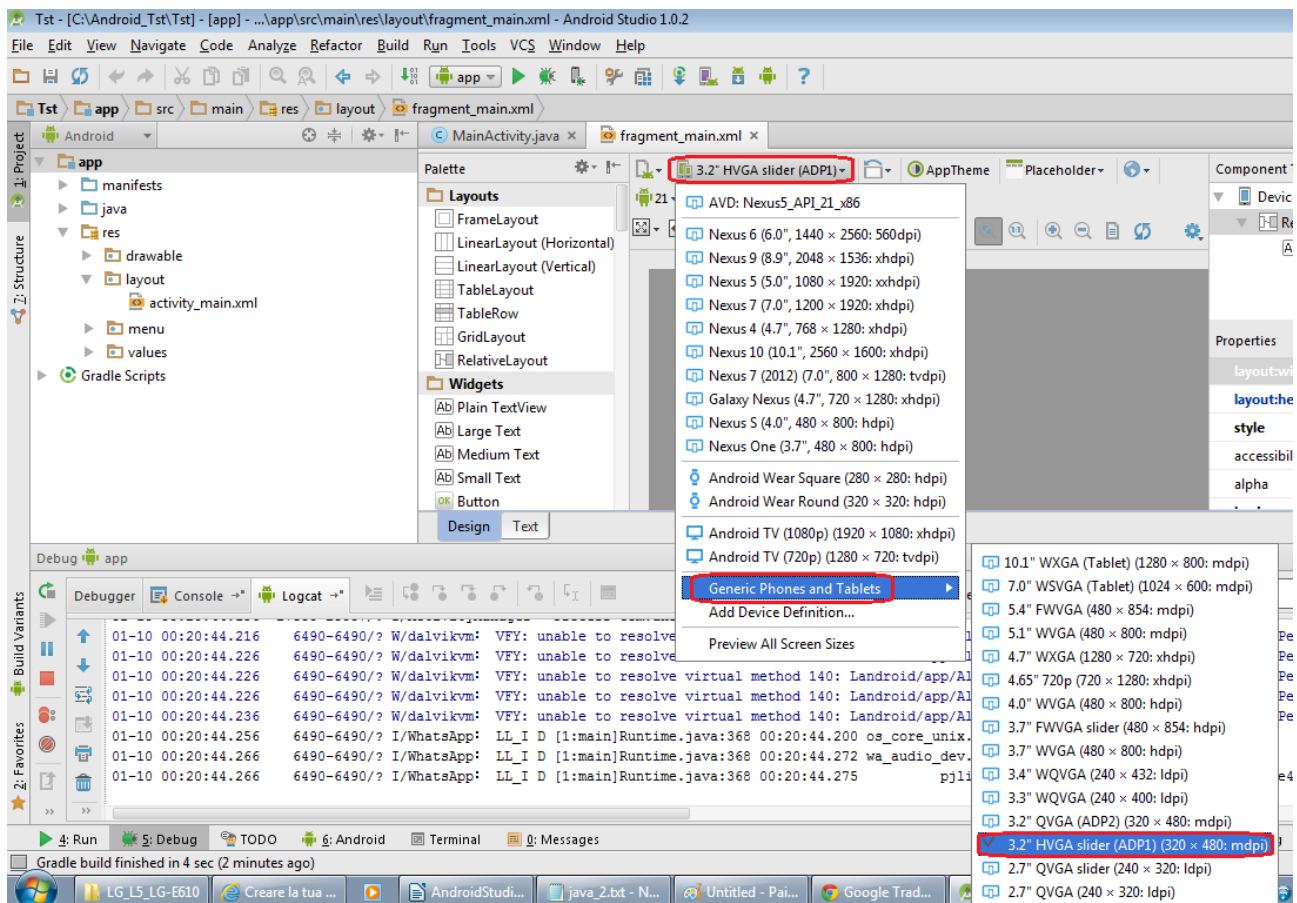
Build the project

For build the project select:
Build → Rebuild Project
see below
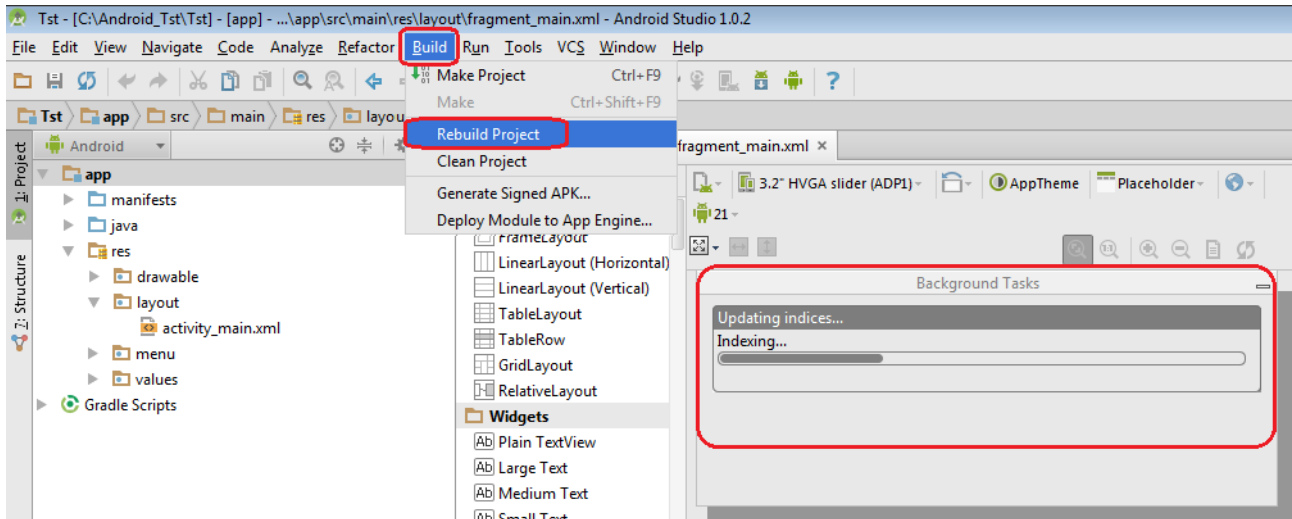
At the end of the build you must see something like below.

Debug project using your smartphone or tablet

Now for enter in debug, using your smartphone or tablet, do this:
- On your smartphone or tablet select:
Settings   (Impostazioni (IT))
Select **Developer options**   (Opzioni dello sviluppatore (IT))
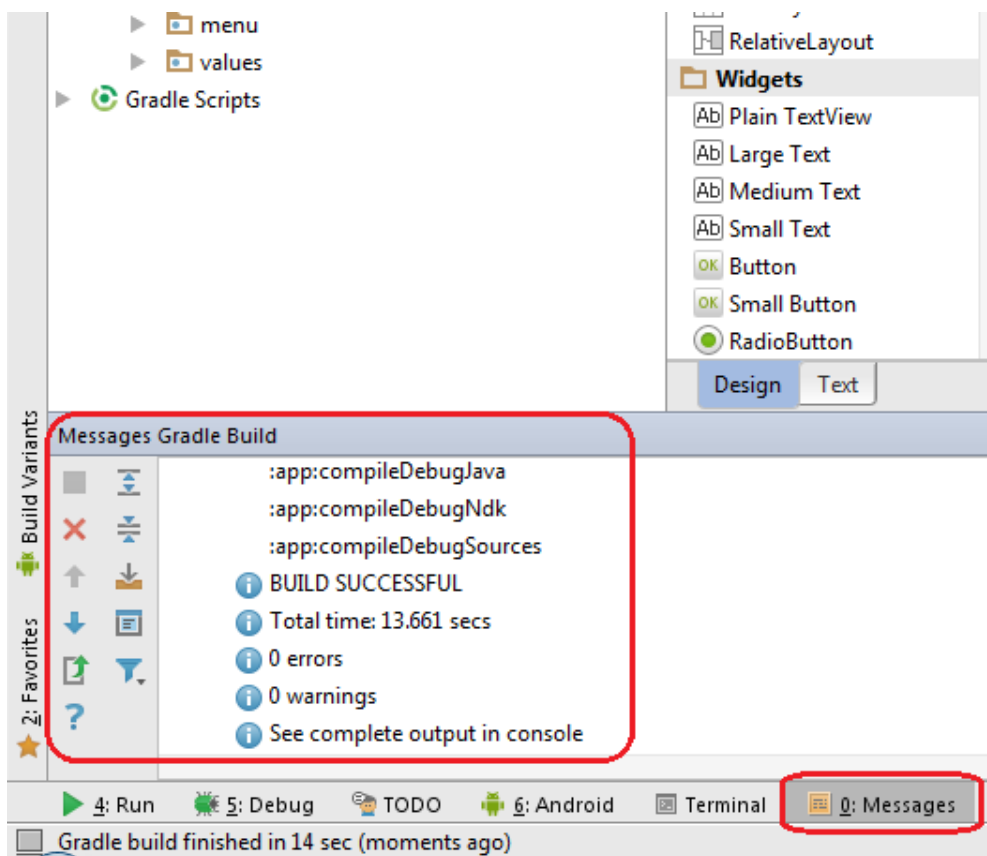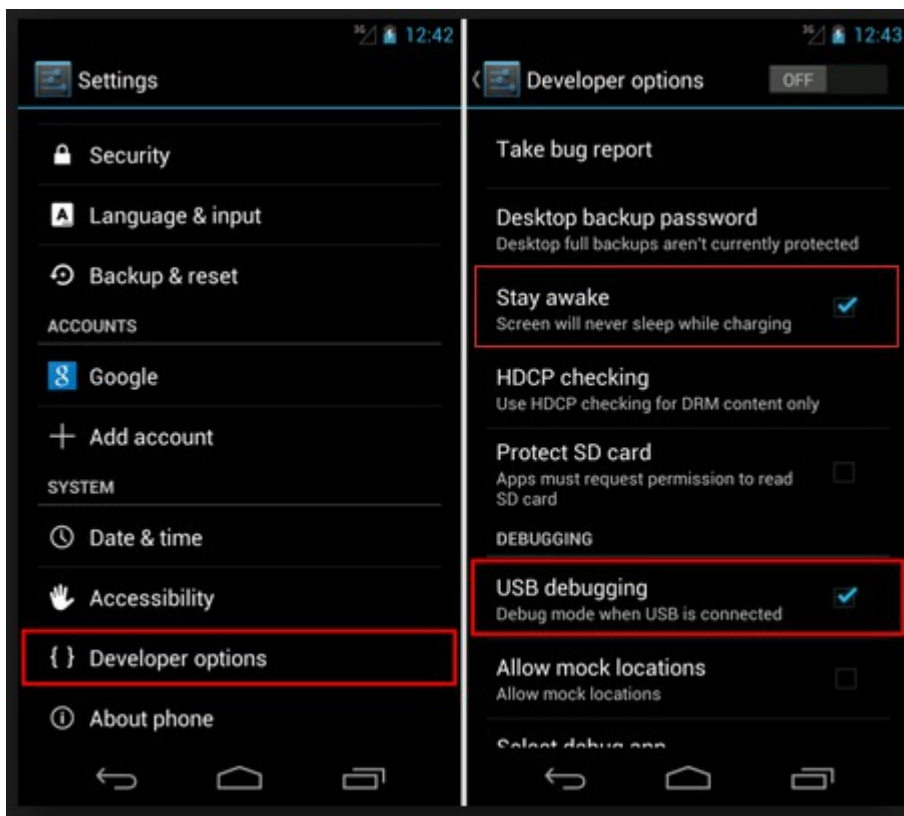**Check** off the **USB debugging** option (Debug USB (IT))
Check Stay awake   (Rimani attivo (IT))
see below

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- In Android Studio select: **Run → Debug 'app'**
  after some second, appears a window where you have the possibility to
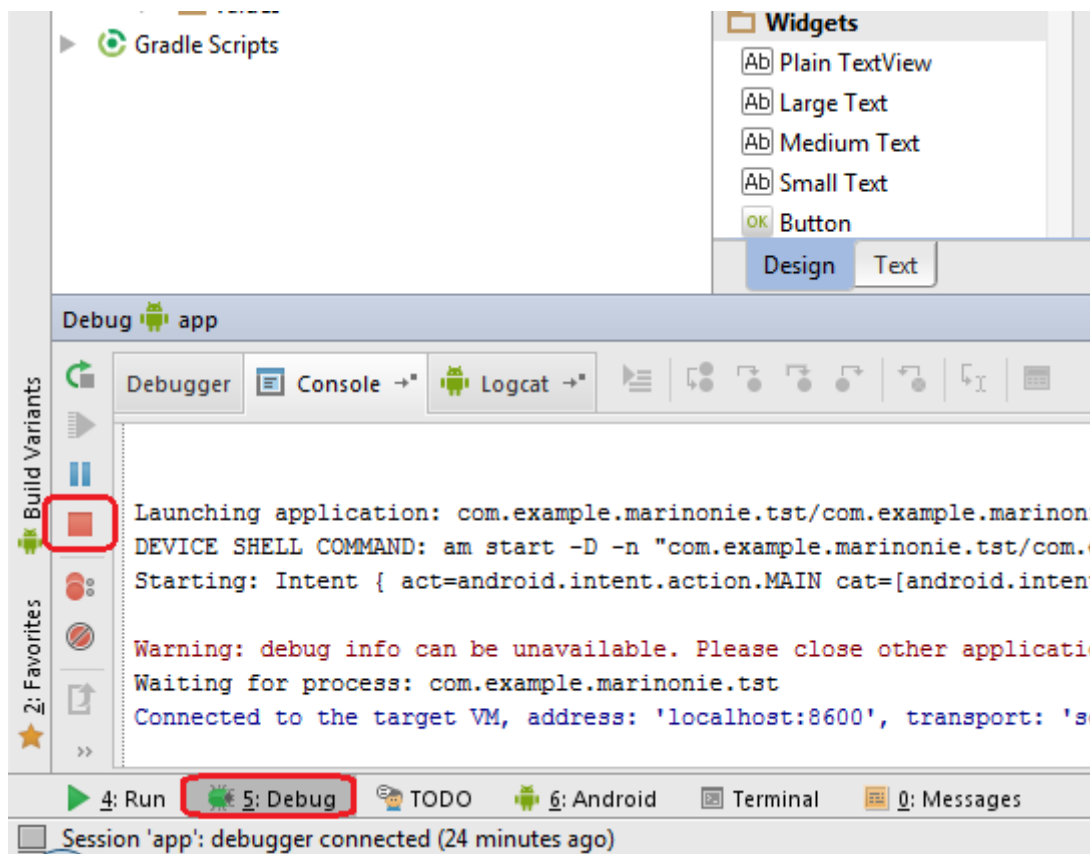 select your smartphone for do the debug of your fist APP, see below.
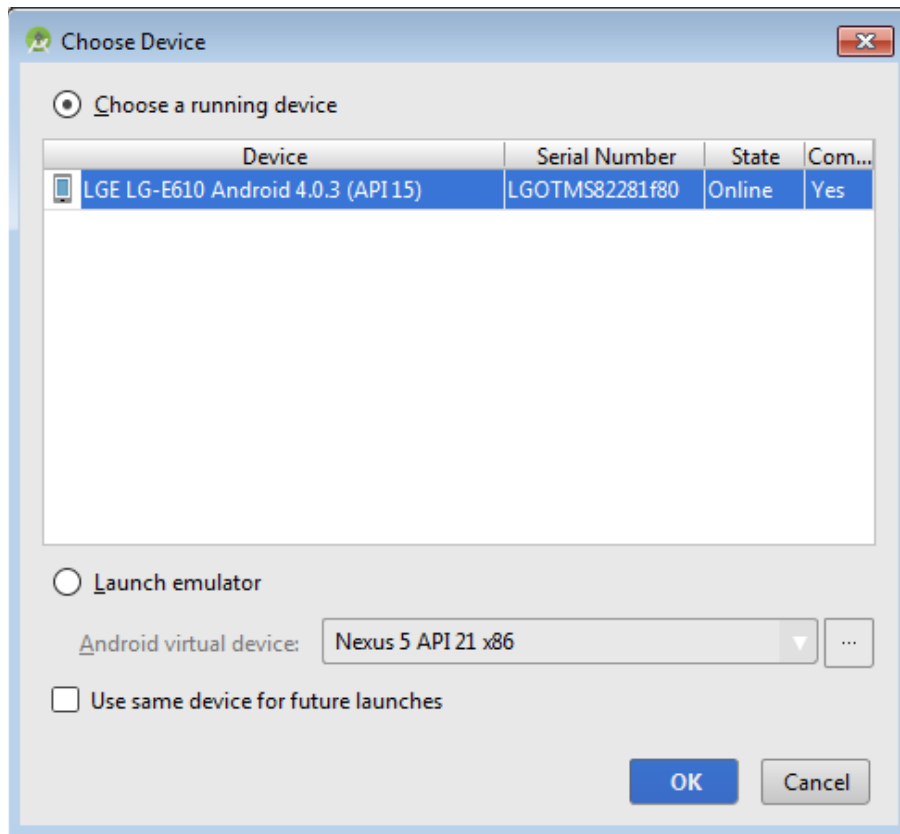
In my case I chose my LGE LG-E610... and I press OK.
After some seconds on your phone, must appear the result of your APP, see
below.

End debug

For stop the debug select: **Debug** and after press the **red button**
see below.

Congratulations, you have managed to create and debug your first APP.
Now I recommend you thoroughly study Android Studio.