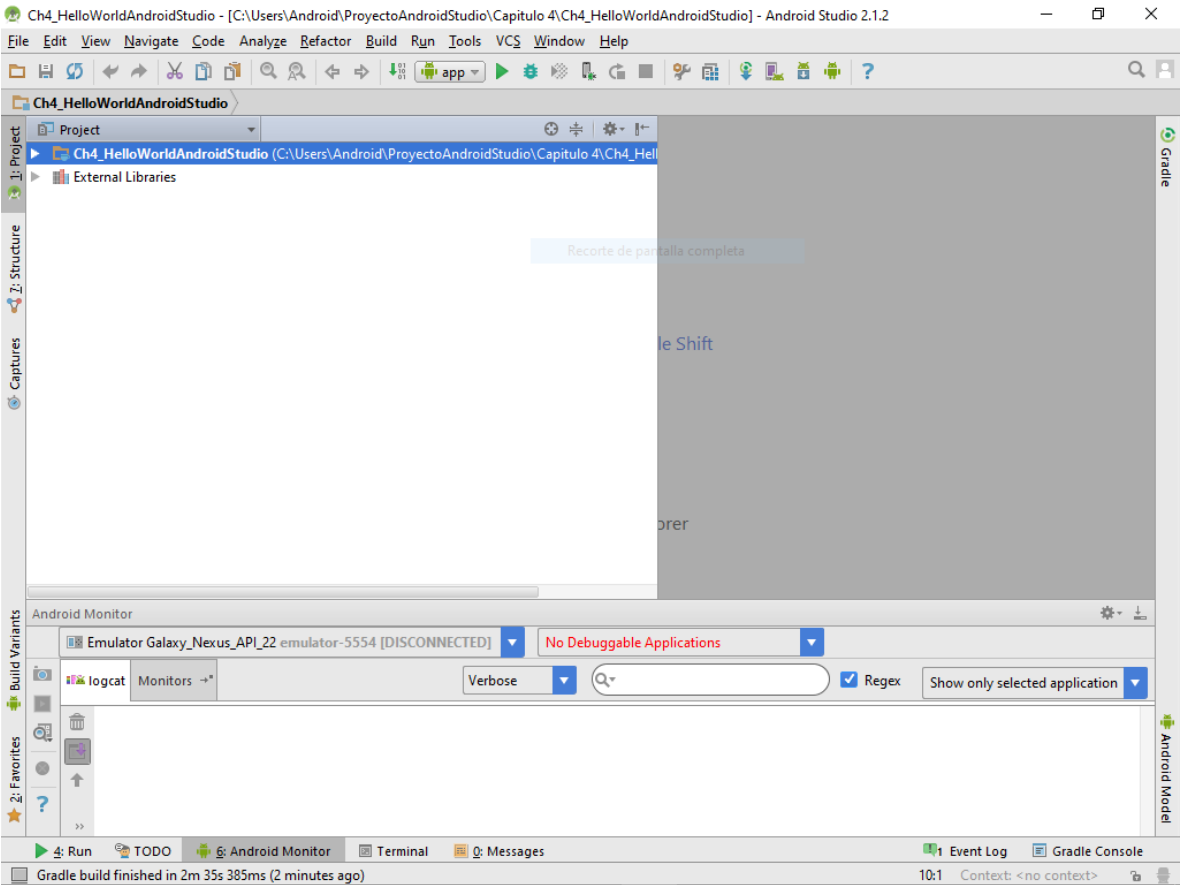# Aplicación HolaTodosAndroid
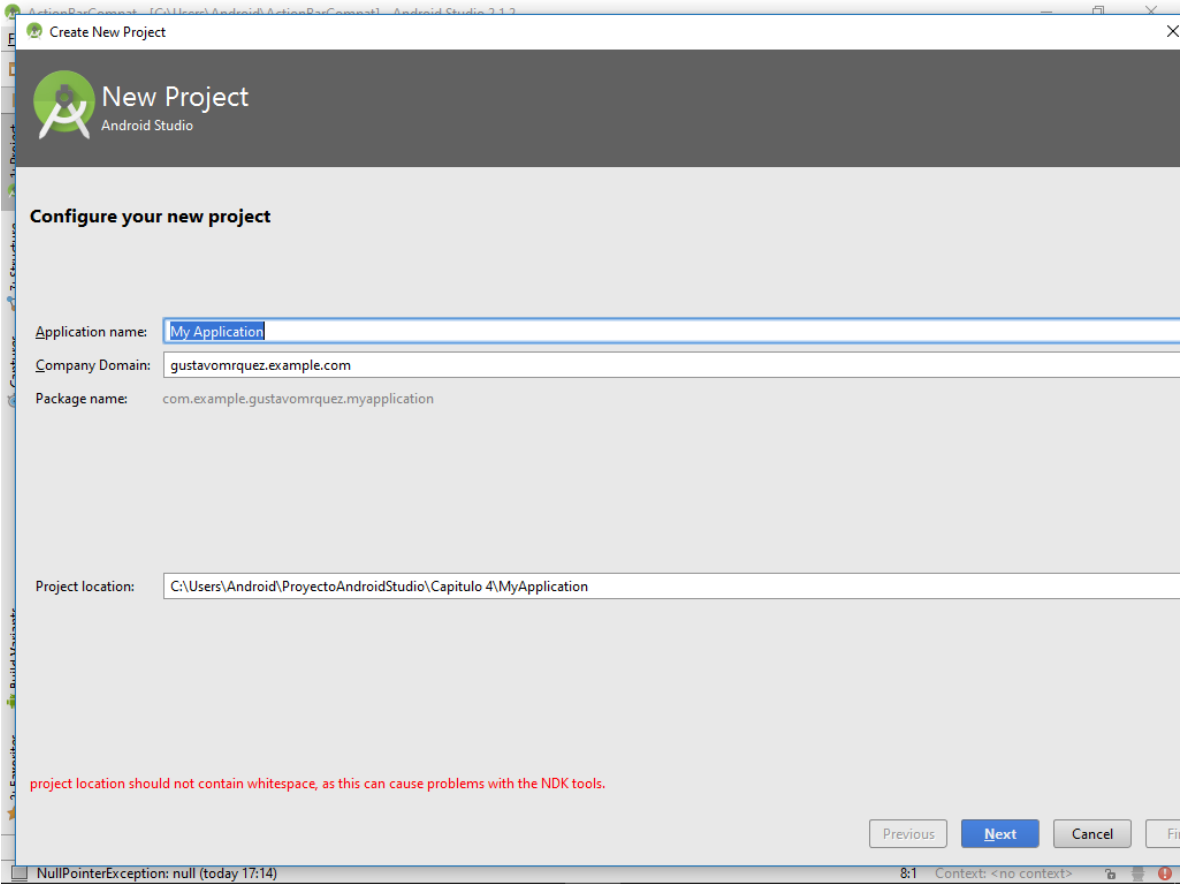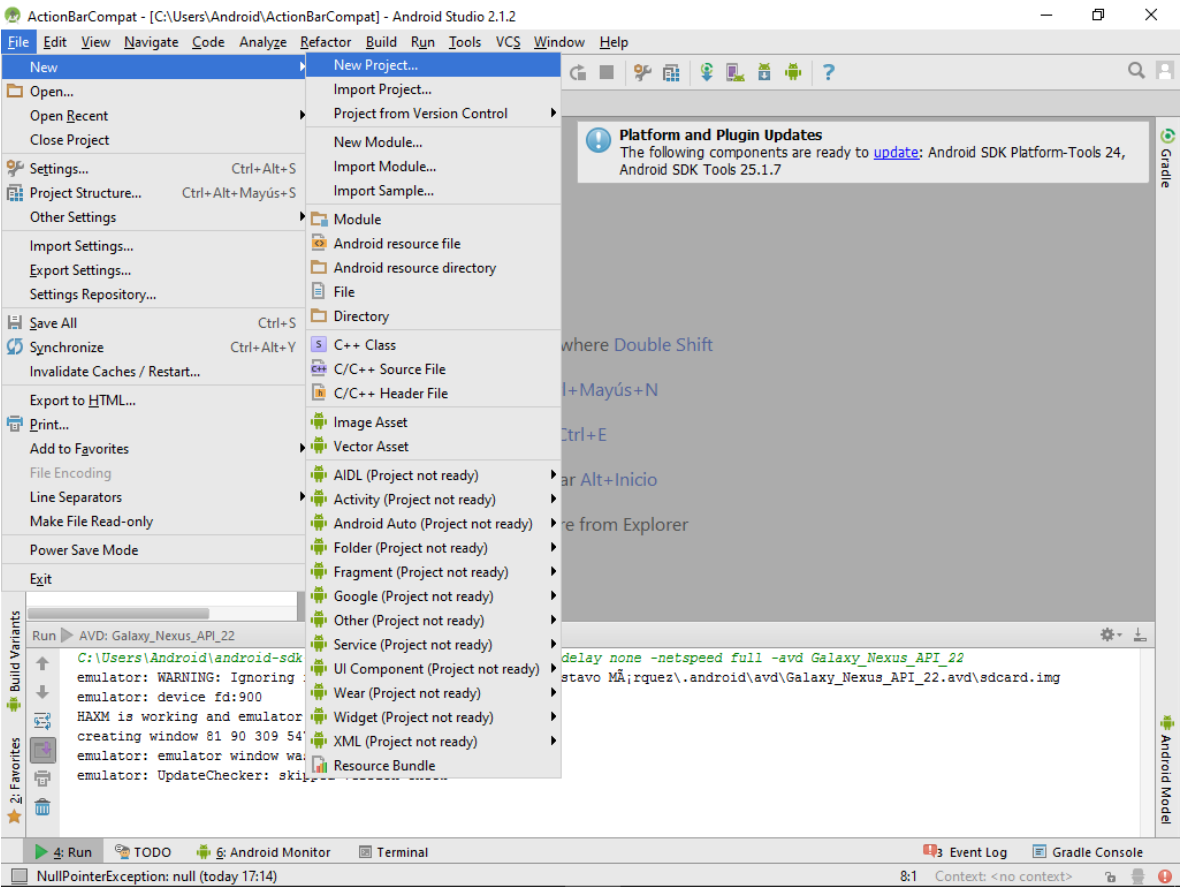
El Proyecto que se crea es:

C:\Users\GustavoMarquez\AndroidStudioProjects\ProyectosEscuela \HolaTodosAndroid

ActionBarCompat - [C:\Users\Android\ActionBarCompat] - Android Studio 2.1.2

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

New
New Project...
Open...
Import Project...
Open Recent
Project from Version Control
Close Project

Settings...   Ctrl+Alt+S
New Module...
Project Structure... Ctrl+Alt+Mayús+S
Import Module...
Other Settings
Import Sample...

Import Settings...
Module
Export Settings...
Android resource file
Settings Repository...
Android resource directory

Save All   Ctrl+S
File
Synchronize   Ctrl+Alt+Y
Directory
Invalidate Caches / Restart...

Export to HTML...
C++ Class
where Double Shift
Print...
C/C++ Source File
l+Mayús+N
Add to Favorites
C/C++ Header File

File Encoding
Image Asset
Ctrl+E
Line Separators
Vector Asset
Make File Read-only
ar Alt+Inicio
AIDL (Project not ready)
Power Save Mode
Activity (Project not ready)
re from Explorer
Exit
Android Auto (Project not ready)
Folder (Project not ready)
Fragment (Project not ready)
Google (Project not ready)
Other (Project not ready)
Service (Project not ready)
UI Component (Project not ready)
Wear (Project not ready)
Widget (Project not ready)
XML (Project not ready)
Resource Bundle

Platform and Plugin Updates
The following components are ready to update: Android SDK Platform-Tools 24,
Android SDK Tools 25.1.7

Run AVD: Galaxy_Nexus_API_22

C:\Users\Android\android-sdk
emulator: WARNING: Ignoring
emulator: device fd:900
HAXM is working and emulator
creating window 81 90 309 54
emulator: emulator window wa:
emulator: UpdateChecker: ski

delay none -netspeed full -avd Galaxy_Nexus_API_22
stavo MÃ¡rquez\.android\avd\Galaxy_Nexus_API_22.avd\sdcard.img

4: Run   TODO   6: Android Monitor   Terminal

3 Event Log   Gradle Console

NullPointerException: null (today 17:14)   8:1 Context: <no context>

Create New Project

New Project
Android Studio

Configure your new project

Application name: My Application
Company Domain: gustavomrquez.example.com
Package name: com.example.gustavomrquez.myapplication

Project location: C:\Users\Android\ProyectoAndroidStudio\Capitulo 4\MyApplication

project location should not contain whitespace, as this can cause problems with the NDK tools.

Previous   Next   Cancel   Fi

NullPointerException: null (today 17:14)   8:1 Context: <no context>

Create New Project

New Project
Android Studio

Configure your new project

Application name: HolaTodosAndroid

Company Domain: gustavomarquez.example.com

Package name: com.example.gustavomarquez.holatodosandroid

Project location: C:\Users\Android\ProyectosEscuela\HolaTodosAndroid

Previous   Next   Cancel

Create New Project

Target Android Devices
Android Studio

Select the form factors your app will run on

Different platforms may require separate SDKs

☑ Phone and Tablet

Minimum SDK   API 21: Android 5.0 (Lollipop)

Lower API levels target more devices, but have fewer features available.

By targeting API 21 and later, your app will run on approximately **40,5%** of the devices
that are active on the Google Play Store.

Help me choose

☐ Wear

Minimum SDK   API 21: Android 5.0 (Lollipop)

☐ TV

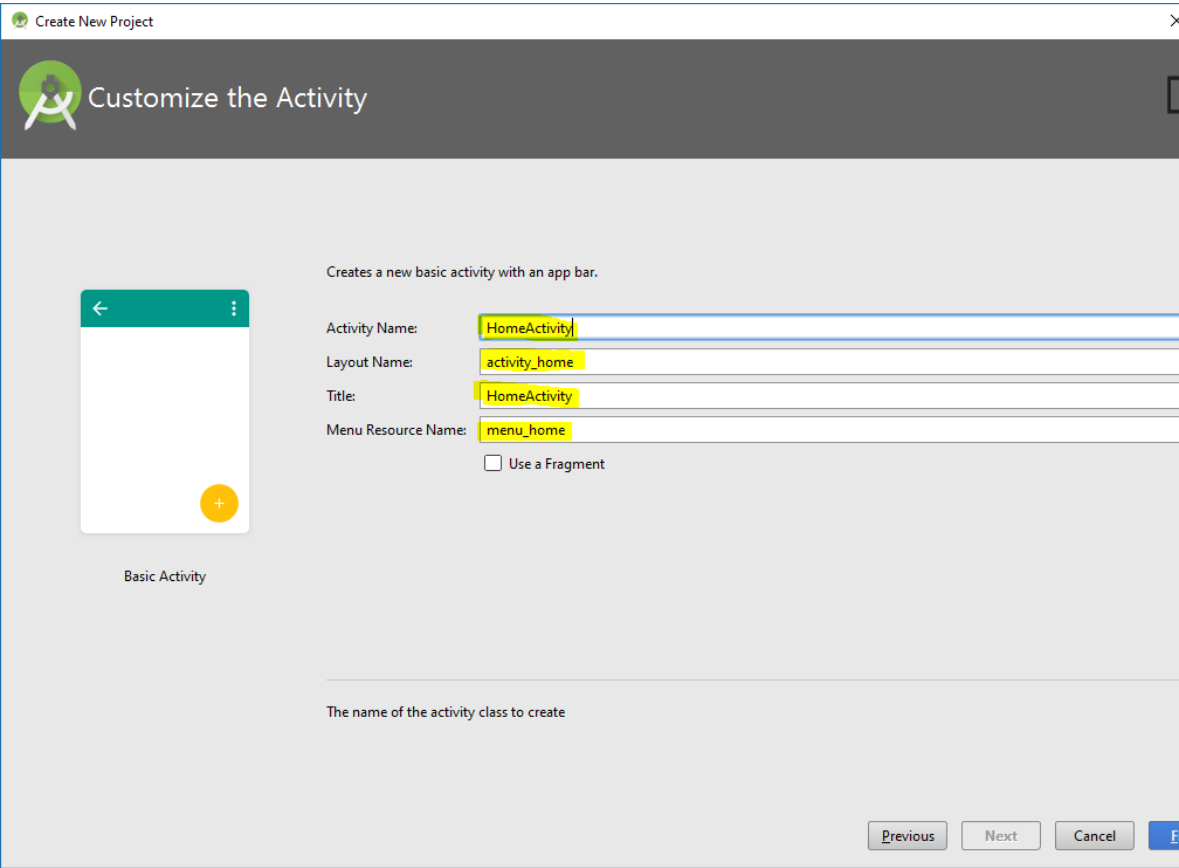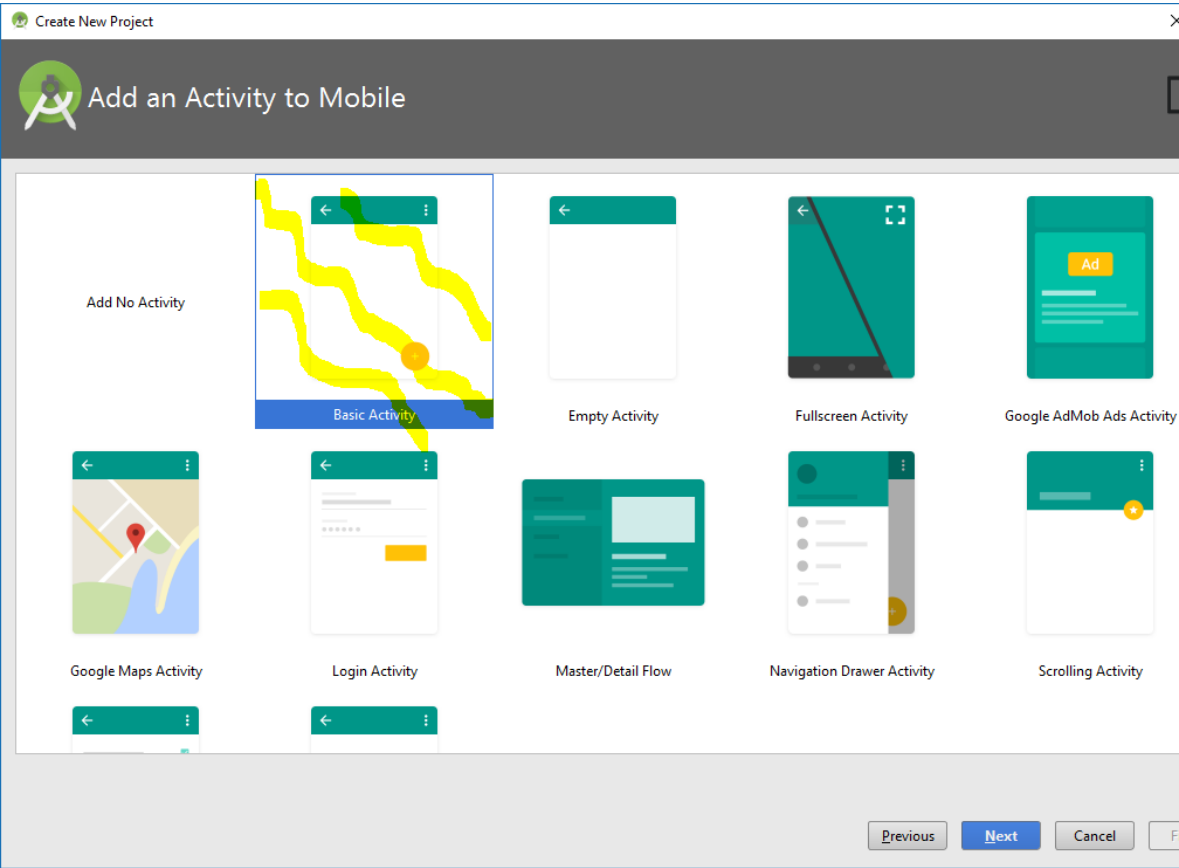Minimum SDK   API 21: Android 5.0 (Lollipop)

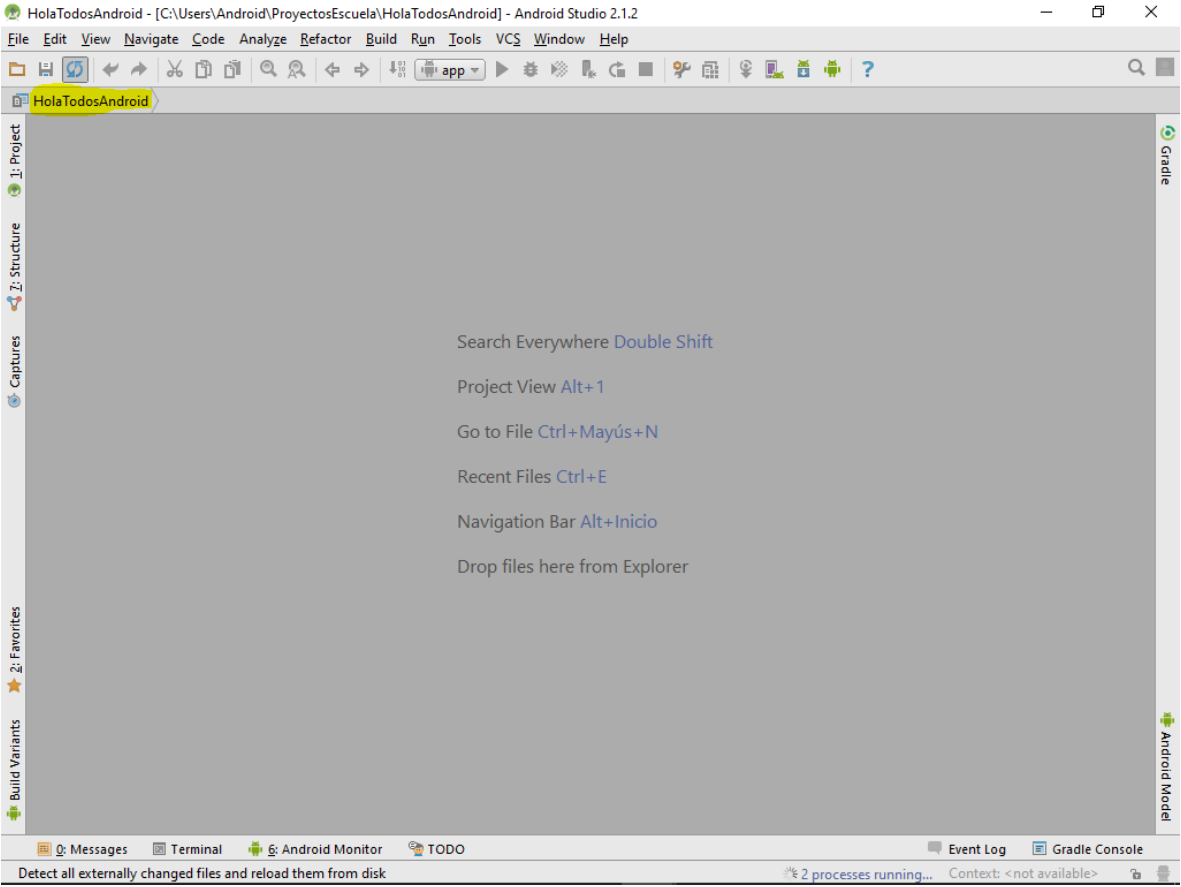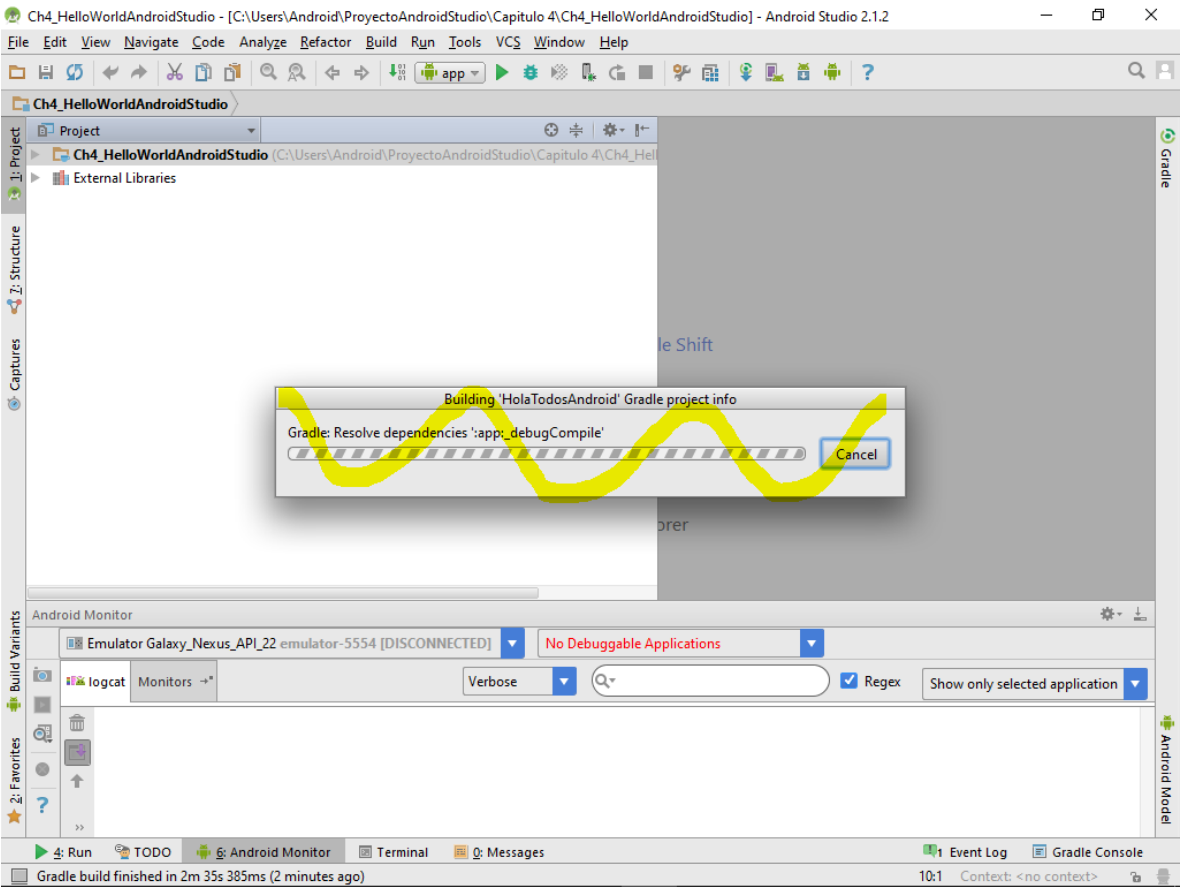☐ Android Auto

☐ Glass

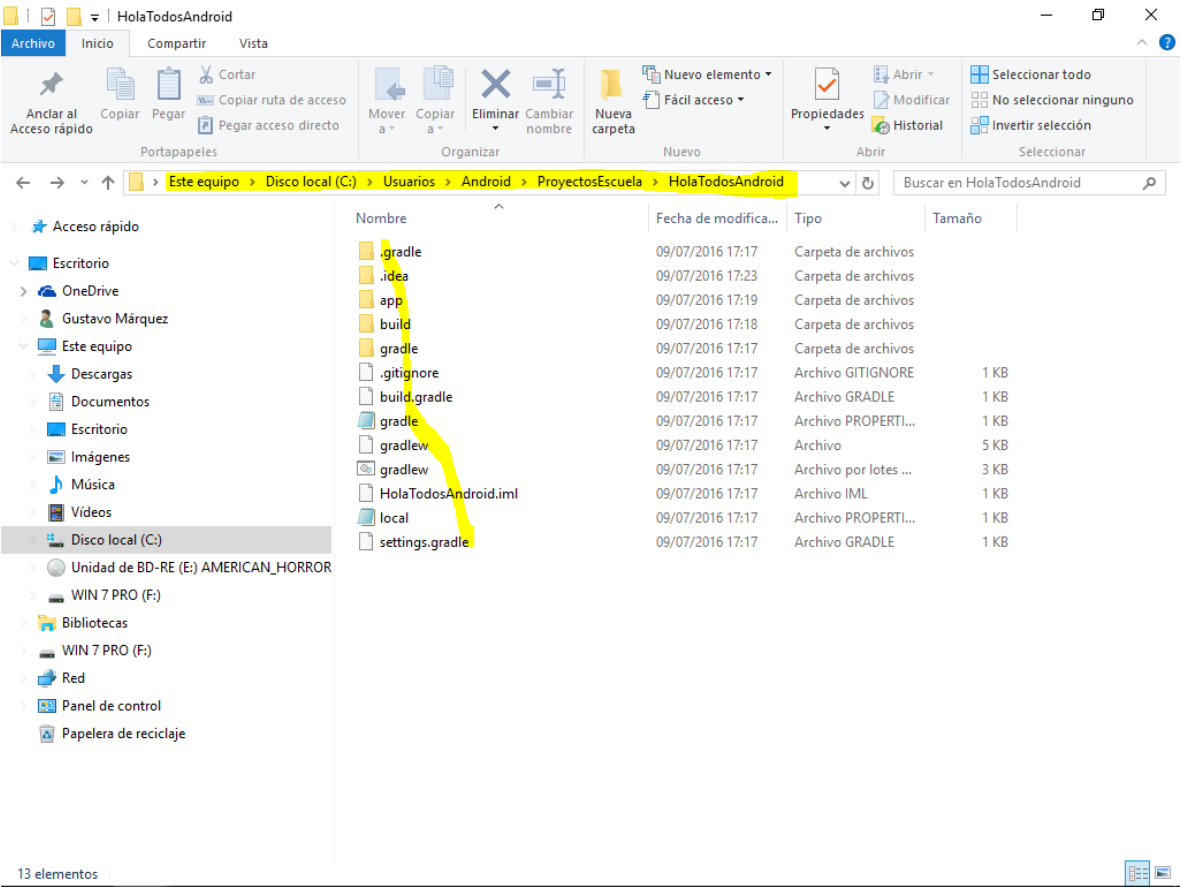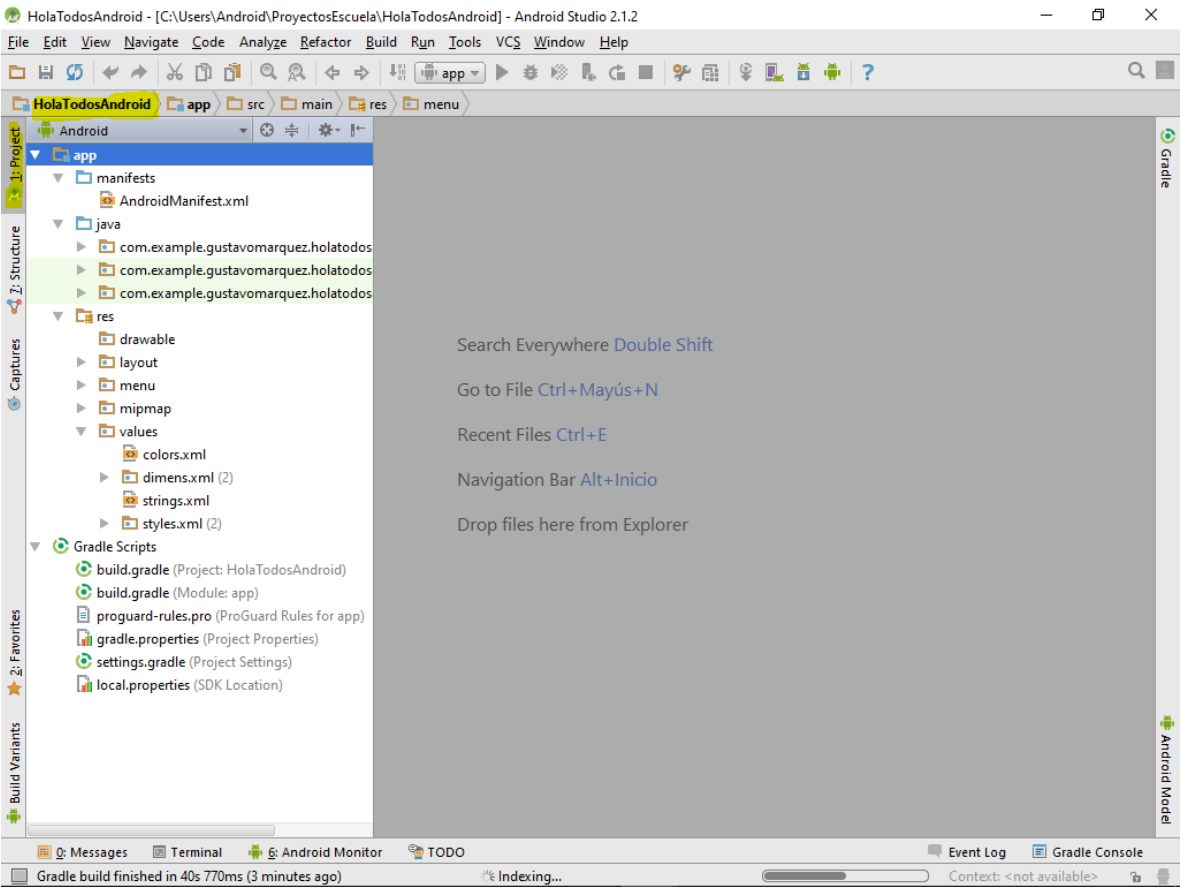Minimum SDK   Glass Development Kit Preview (API 19)

Previous   Next   Cancel   Finish

Create New Project

Add an Activity to Mobile

Add No Activity

Basic Activity

Empty Activity

Fullscreen Activity

Google AdMob Ads Activity

Google Maps Activity

Login Activity

Master/Detail Flow

Navigation Drawer Activity

Scrolling Activity

Previous | Next | Cancel

Create New Project

Customize the Activity

Creates a new basic activity with an app bar.

Basic Activity

Activity Name: HomeActivity

Layout Name: activity_home

Title: HomeActivity

Menu Resource Name: menu_home
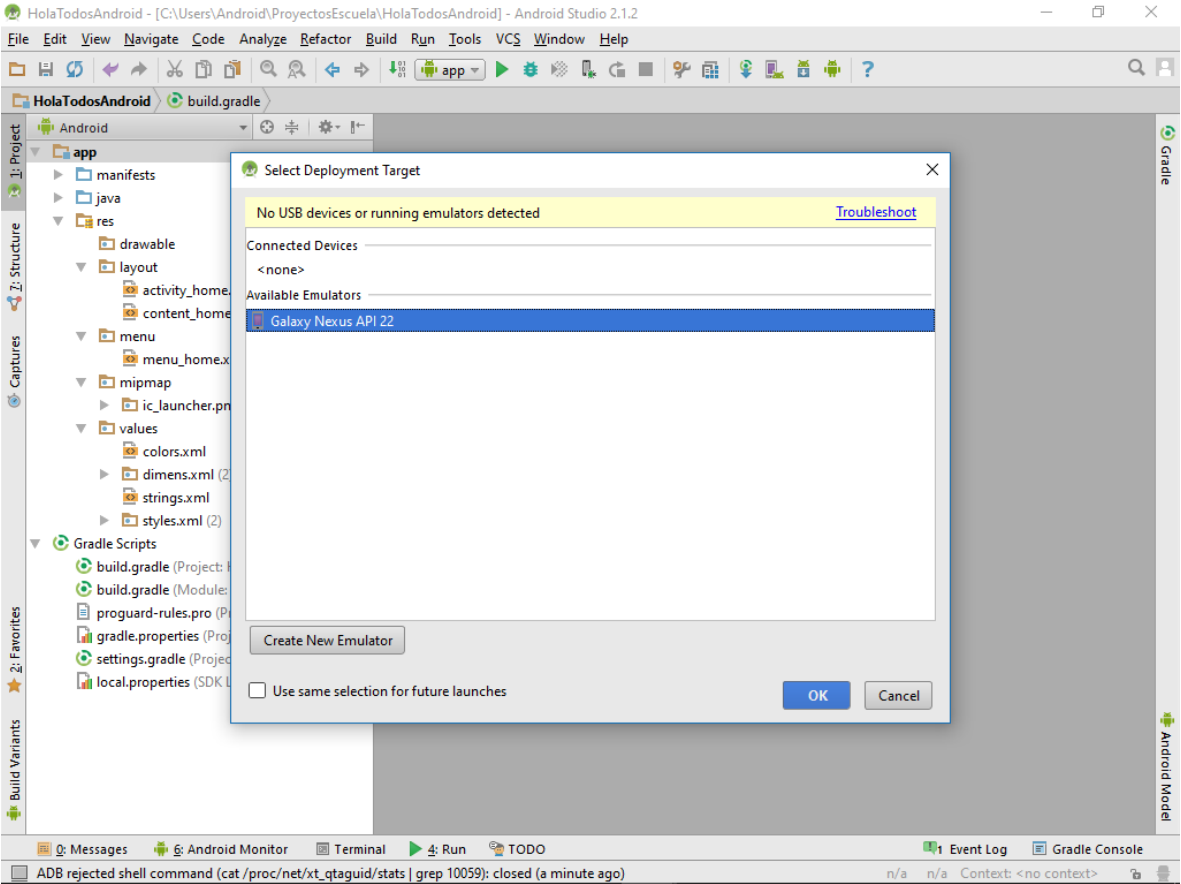
☐ Use a Fragment

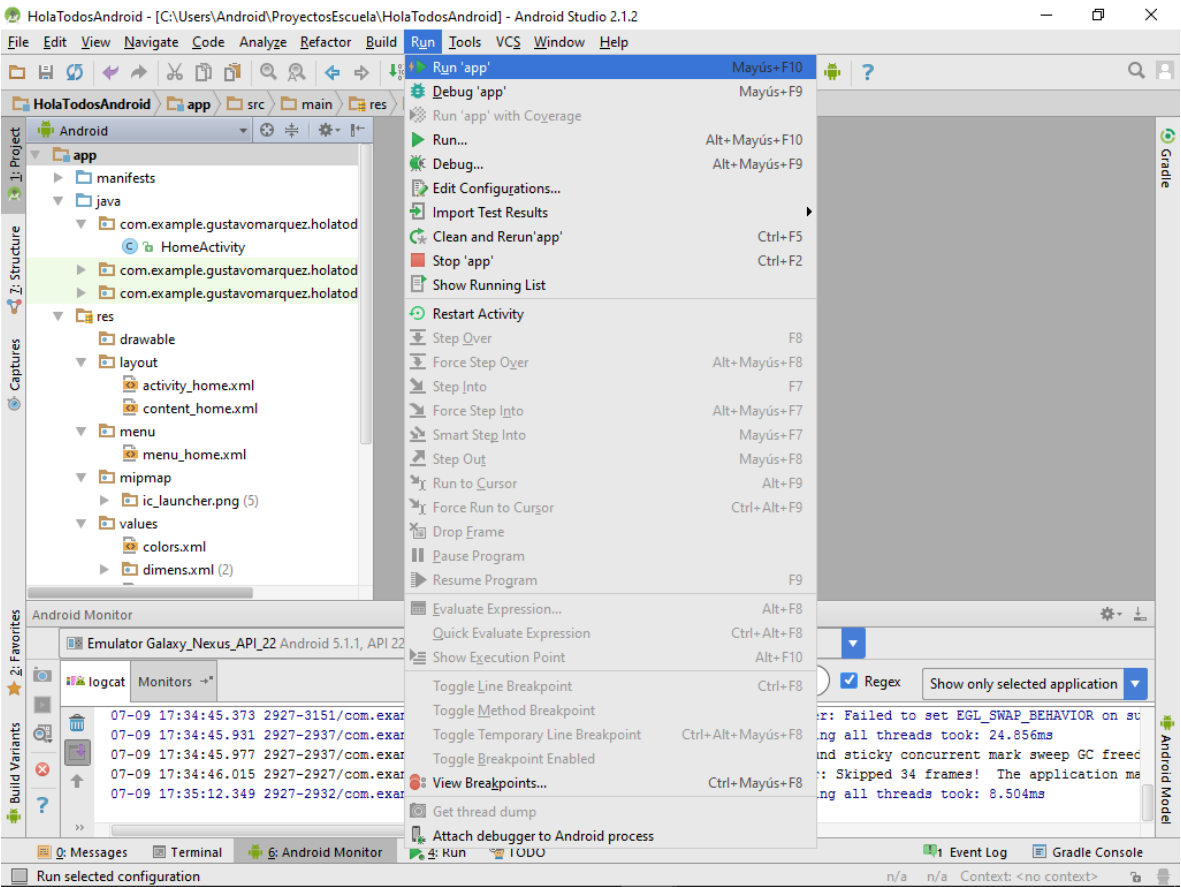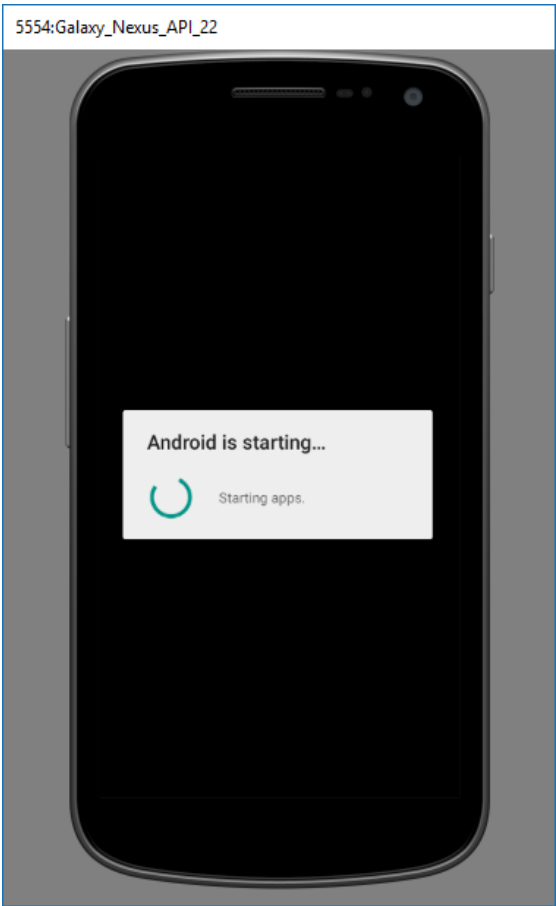The name of the activity class to create
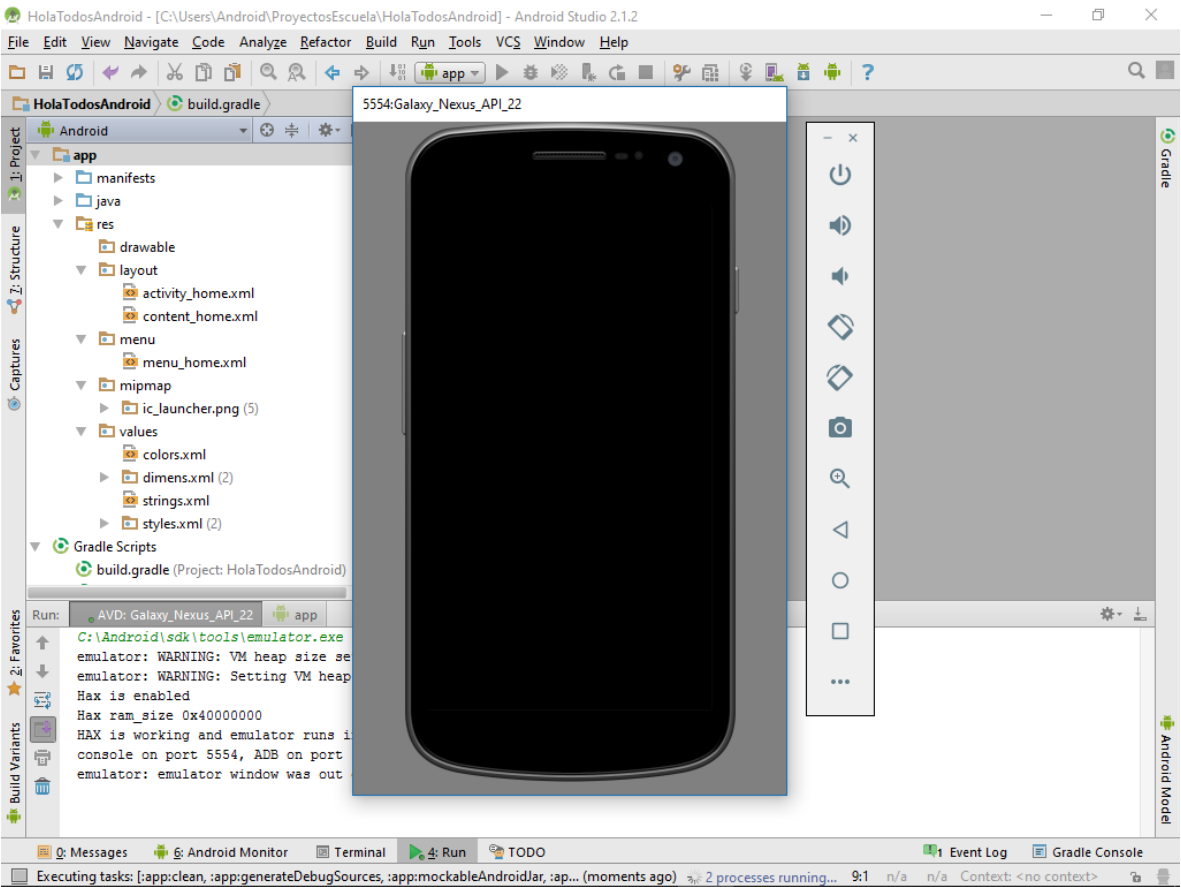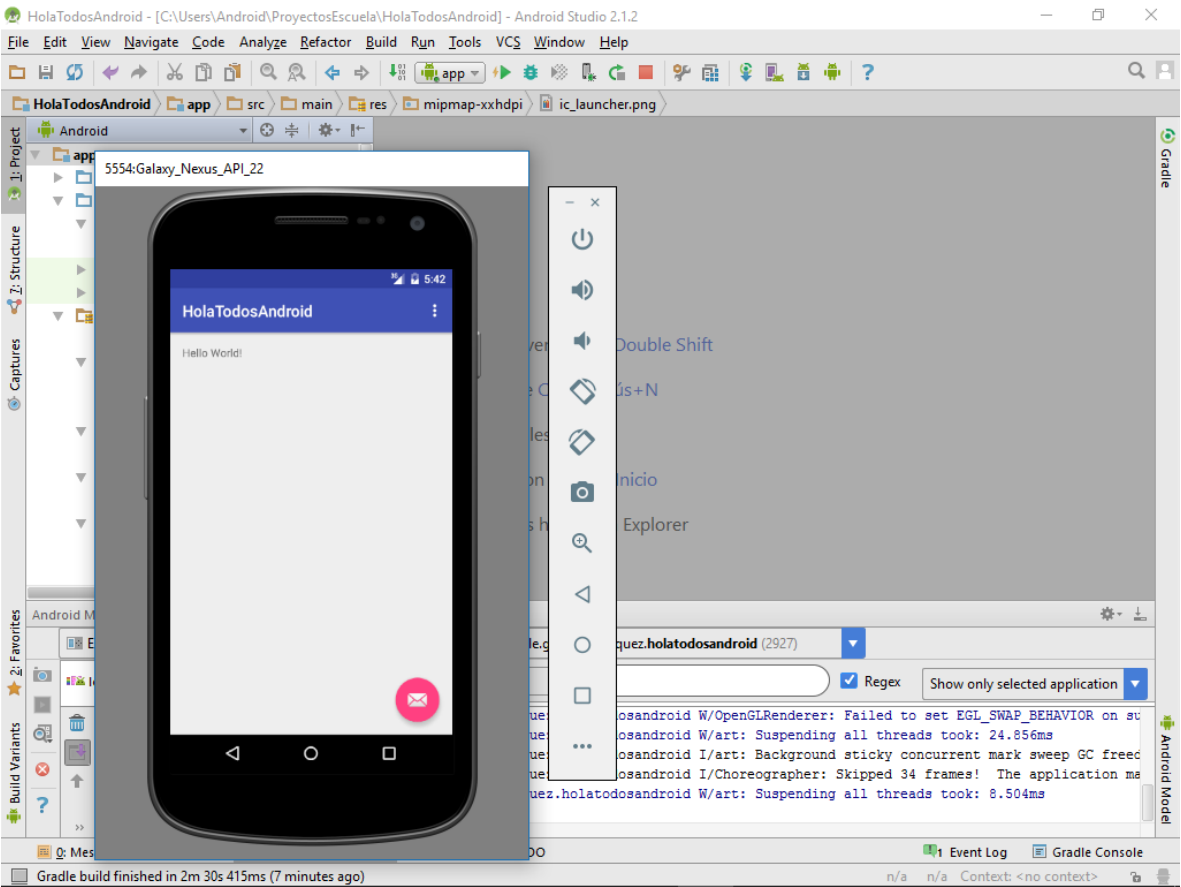
Previous | Next | Cancel
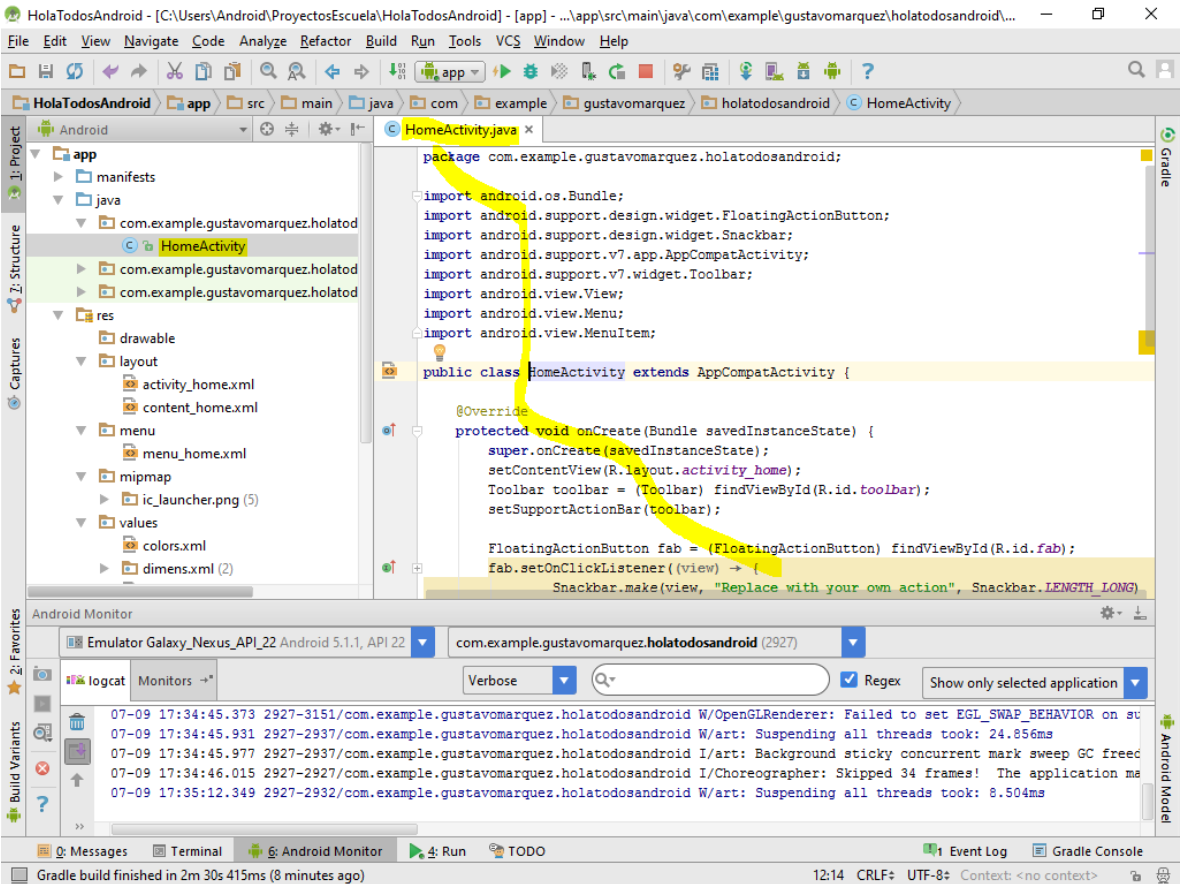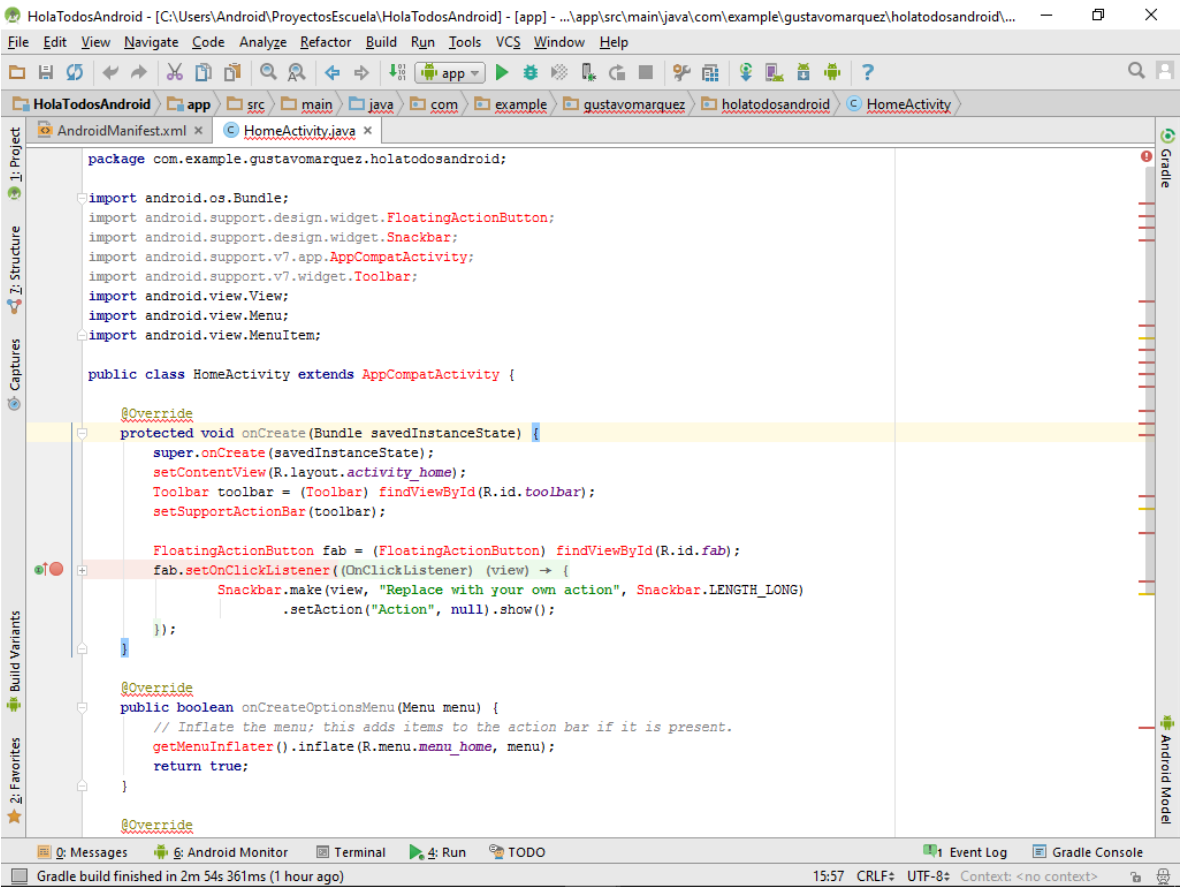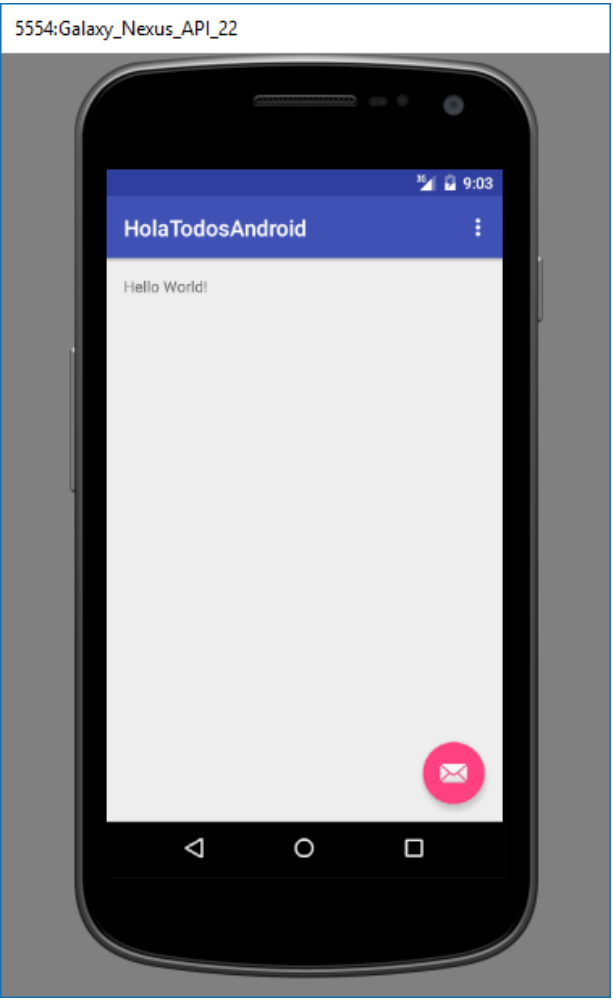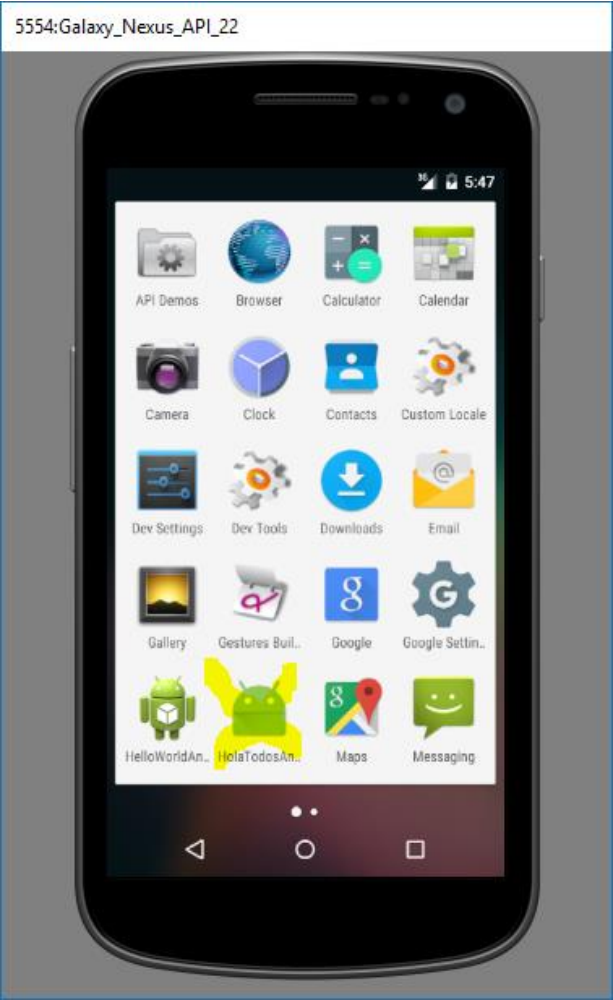
Hacer click en 1:Project:

Ejecutar la aplicación.

Después de un rato aparece:

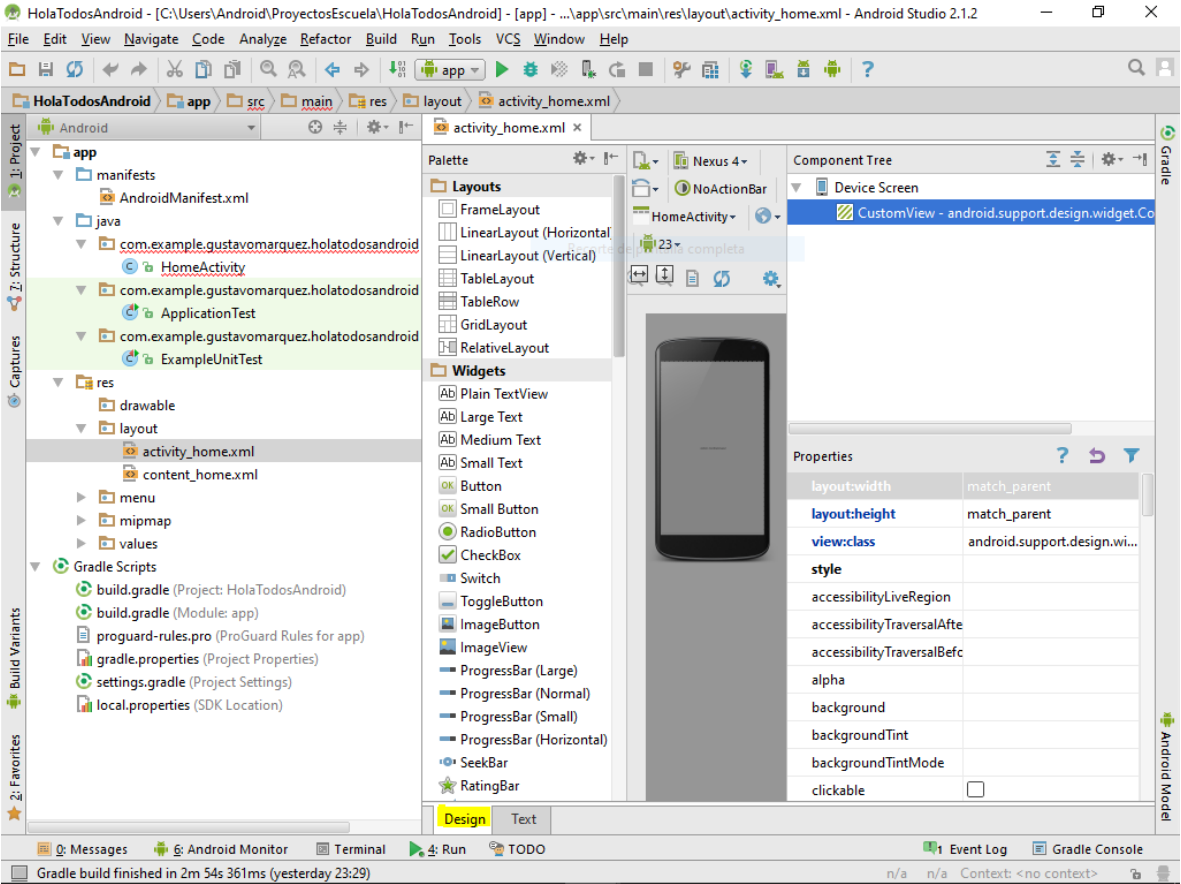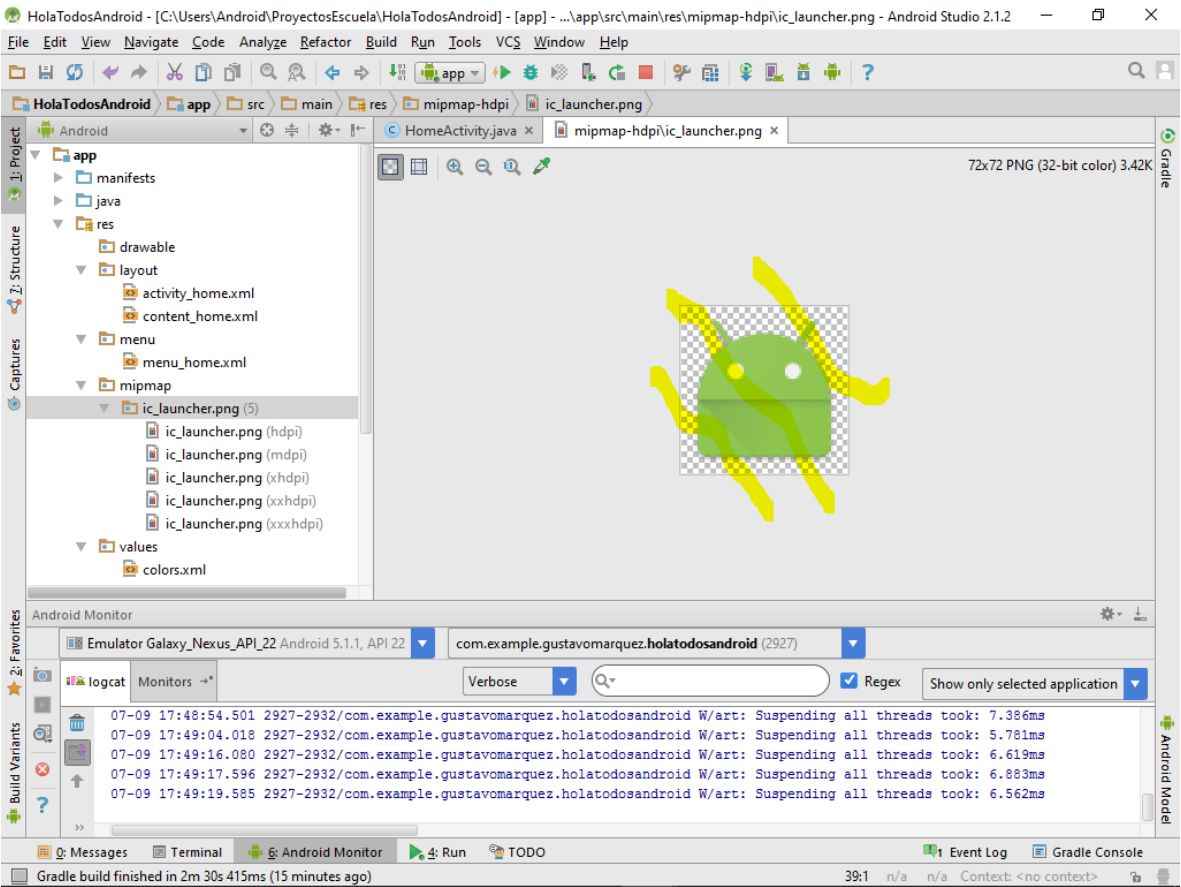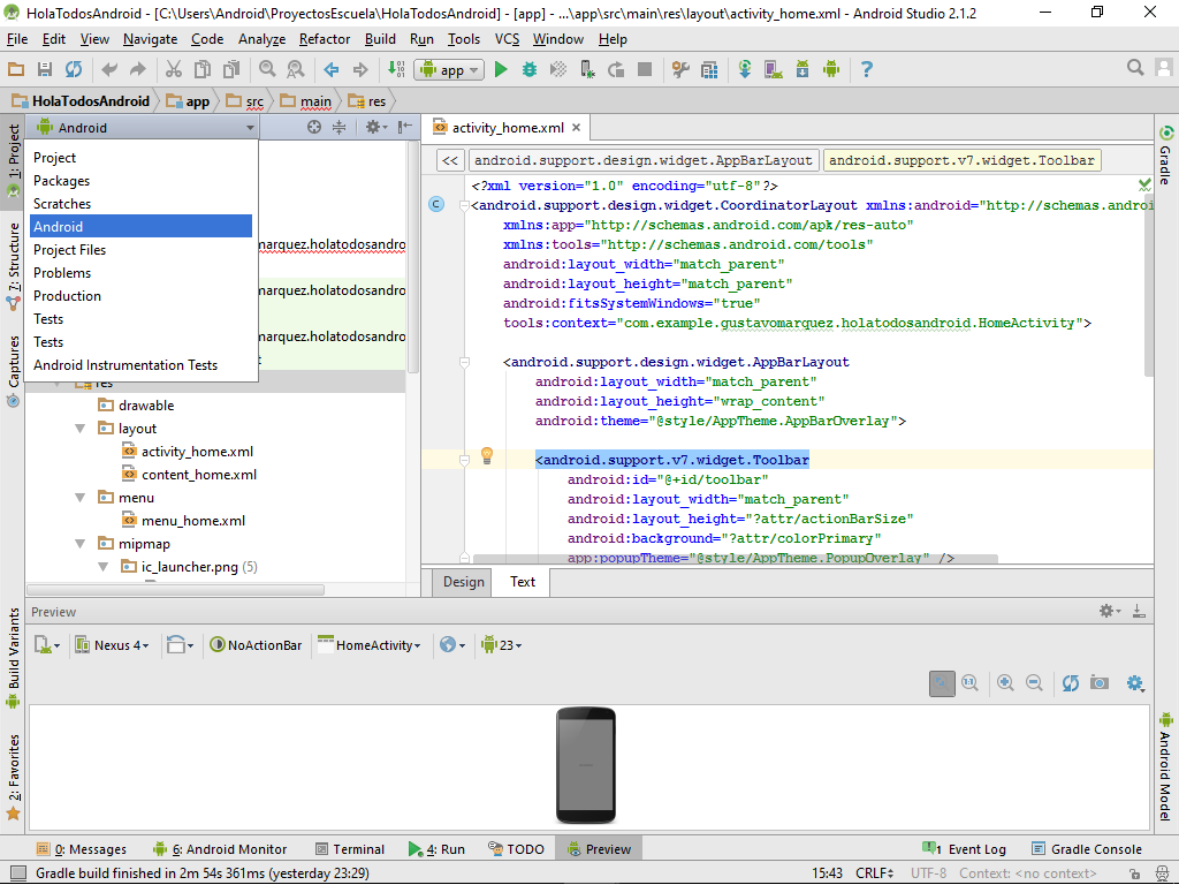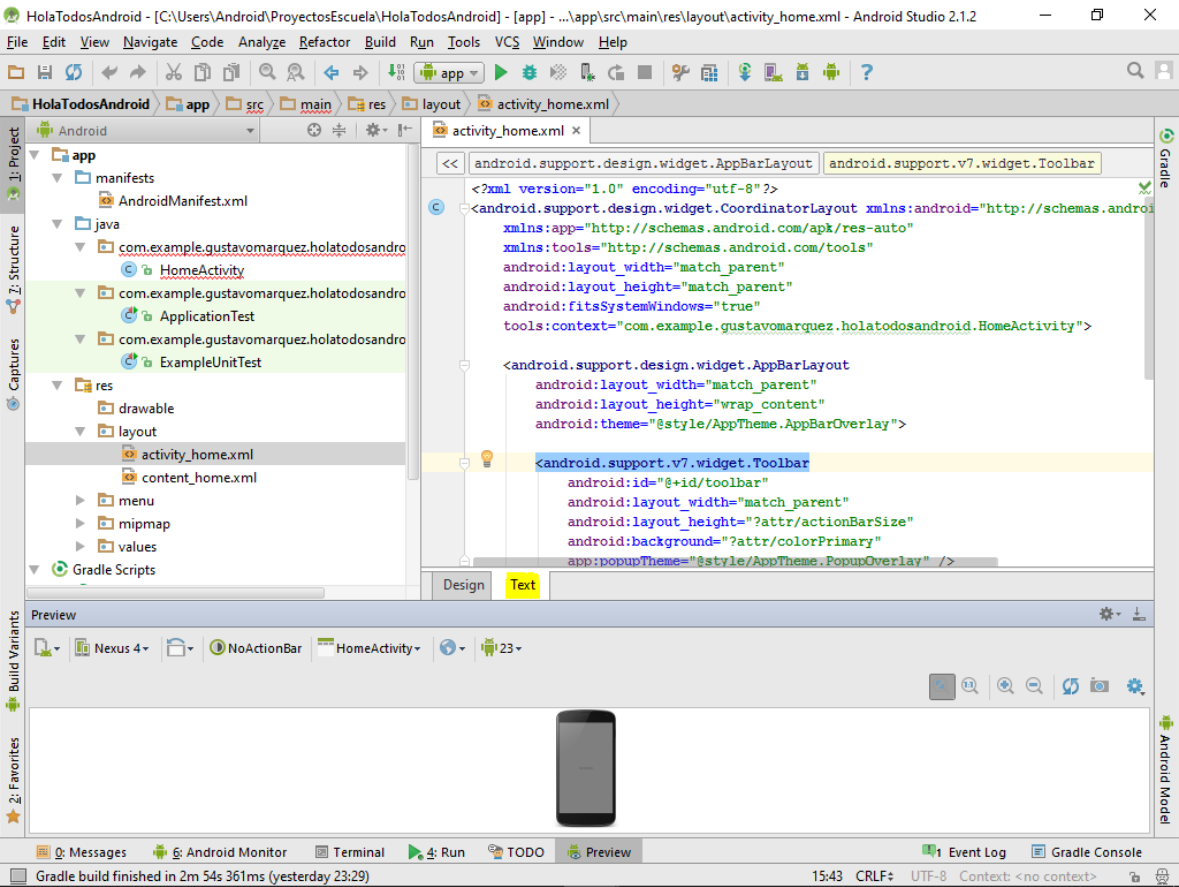Para abrir un archivo, hacer doble click en él:

Para hacer la ventana más grande del editor de programa, hacer doble click sobre la pestaña del nombre de la clase:

Ícono de la aplicación:

Window 1 – Android Studio 2.1.2

HolaTodosAndroid - [C:\Users\Android\ProyectosEscuela\HolaTodosAndroid] - [app] - ...\app\src\main\res\layout\activity_home.xml - Android Studio 2.1.2

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HolaTodosAndroid › app › src › main › res › layout › activity_home.xml

Android

- app
  - manifests
    - AndroidManifest.xml
  - java
    - com.example.gustavomarquez.holatodosandro
      - HomeActivity
    - com.example.gustavomarquez.holatodosandro
      - ApplicationTest
    - com.example.gustavomarquez.holatodosandro
      - ExampleUnitTest
  - res
    - drawable
    - layout
      - activity_home.xml
      - content_home.xml
    - menu
    - mipmap
    - values
  - Gradle Scripts

activity_home.xml

android.support.design.widget.AppBarLayout   android.support.v7.widget.Toolbar

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout xmlns:android="http://schemas.androi
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context="com.example.gustavomarquez.holatodosandroid.HomeActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />
```

Design | **Text**

Preview

Nexus 4 ▾   NoActionBar   HomeActivity ▾   23 ▾

0: Messages   6: Android Monitor   Terminal   4: Run   TODO   Preview

1 Event Log   Gradle Console

Gradle build finished in 2m 54s 361ms (yesterday 23:29)   15:43   CRLF‡   UTF-8   Context: <no context>

Window 2 – Android Studio 2.1.2

HolaTodosAndroid - [C:\Users\Android\ProyectosEscuela\HolaTodosAndroid] - [app] - ...\app\src\main\res\layout\activity_home.xml - Android Studio 2.1.2

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HolaTodosAndroid › app › src › main › res

Android

- Project
- Packages
- Scratches
- **Android**
- Project Files
- Problems
- Production
- Tests
- Tests
- Android Instrumentation Tests

  - res
    - drawable
    - layout
      - activity_home.xml
      - content_home.xml
    - menu
      - menu_home.xml
    - mipmap
      - ic_launcher.png (5)

activity_home.xml

android.support.design.widget.AppBarLayout   android.support.v7.widget.Toolbar

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout xmlns:android="http://schemas.androi
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context="com.example.gustavomarquez.holatodosandroid.HomeActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />
```

Design | Text

Preview

Nexus 4 ▾   NoActionBar   HomeActivity ▾   23 ▾

0: Messages   6: Android Monitor   Terminal   4: Run   TODO   Preview

1 Event Log   Gradle Console

Gradle build finished in 2m 54s 361ms (yesterday 23:29)   15:43   CRLF‡   UTF-8   Context: <no context>
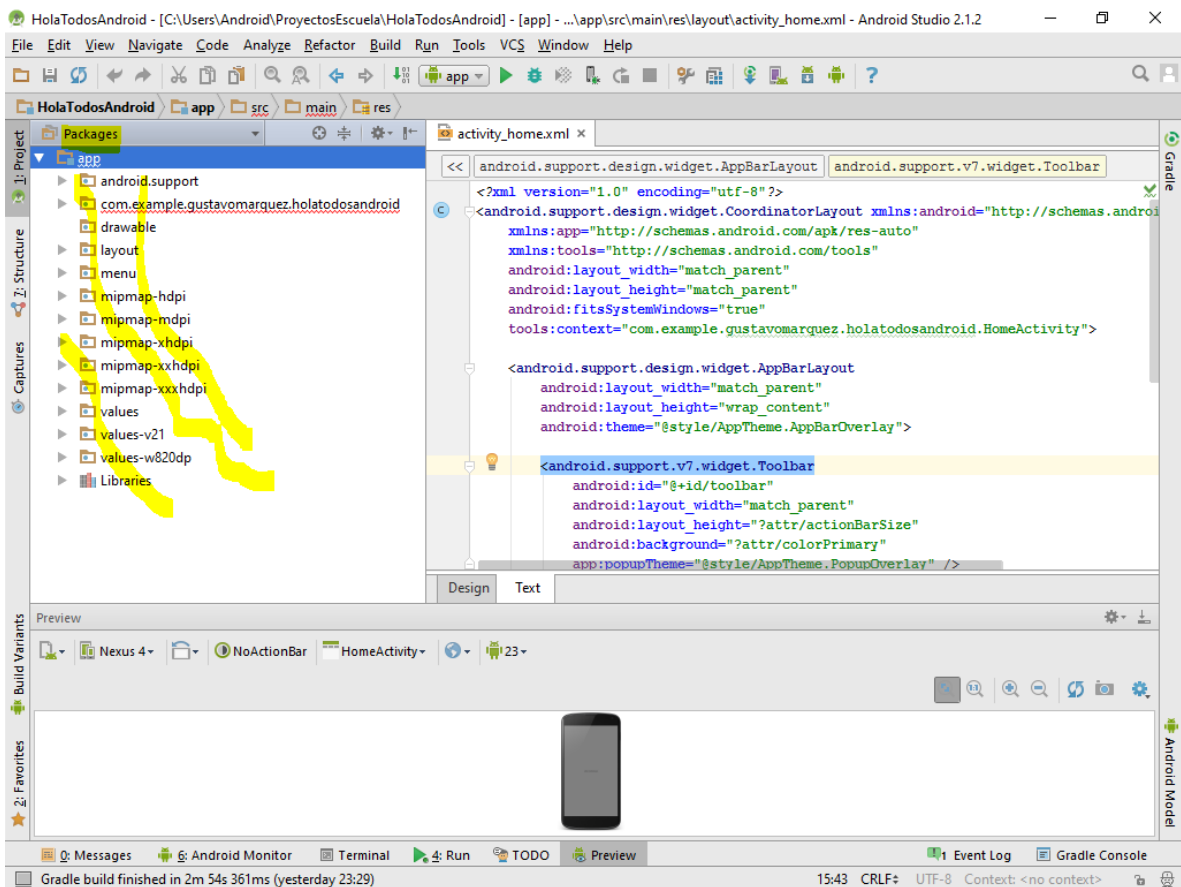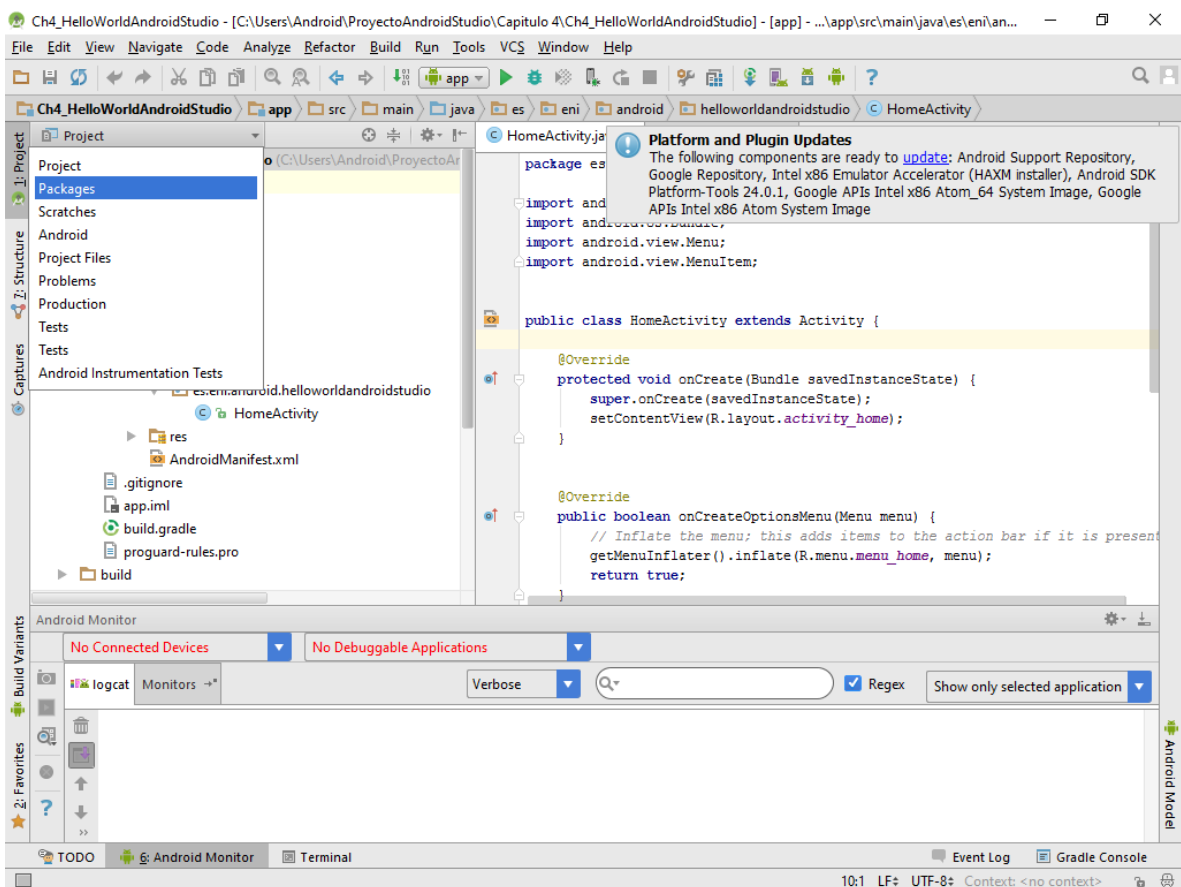
Activity, AppCompatActivity, FragmentActivity, and ActionBarActivity: When to Use Which?

`Activity` is the base class of all other activities, I don't think it will be deprecated. The relationship among them is:

`Activity` <- `FragmentActivity` <- `AppCompatActivity` <- `ActionBarActivity`

'<-' means inheritance here. The reference said `ActionBarActivity` is deprecated, use `AppCompatActivity` instead.

So basically, using `AppCompatActivity` is always the right choise. The differences between them:

- `Activity` is the basic one.
- Based on `Activity`, `FragmentActivity` provides the ability to use `Fragment`.
- Based on `FragmentActivity`, `AppCompatActivity` provides features to `ActionBar`.

java.lang.Object
    ⌊ android.content.Context
        ⌊ android.content.ContextWrapper
            ⌊ android.view.ContextThemeWrapper
                ⌊ android.app.Activity
                    ⌊ android.support.v4.app.FragmentActivity
                        ⌊ android.support.v7.app.AppCompatActivity