

دورة الأندرويد للمبتدئين

Android Beginner Course

أندرويد استوديو

Android Studio

الدرس السادس

Lesson 6



مرحبا مجددا ! Hello Again !



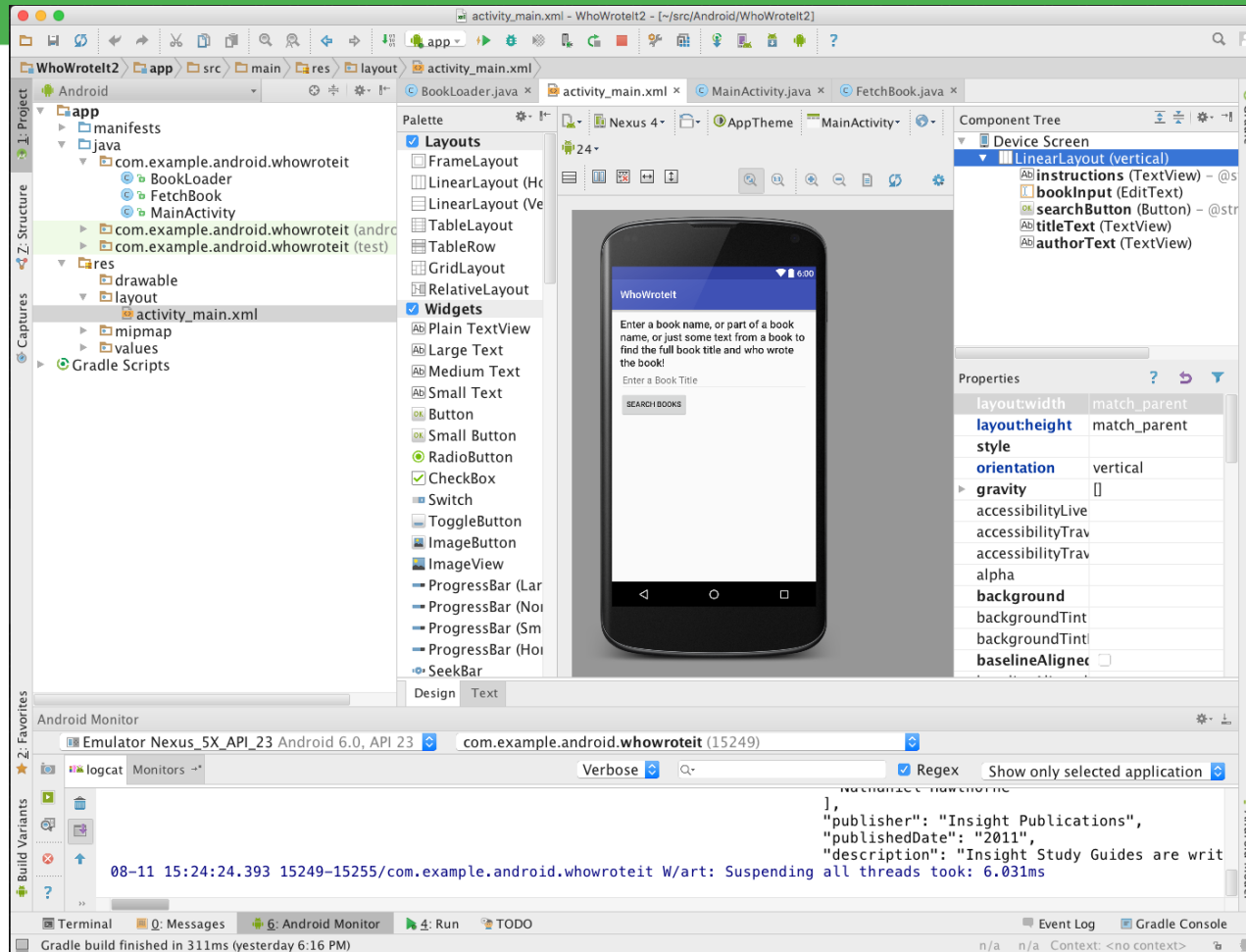
After Getting a Hands on with XML and Kotlin we are in the point
Of starting With Android Studio and With our First app.

Android Studio



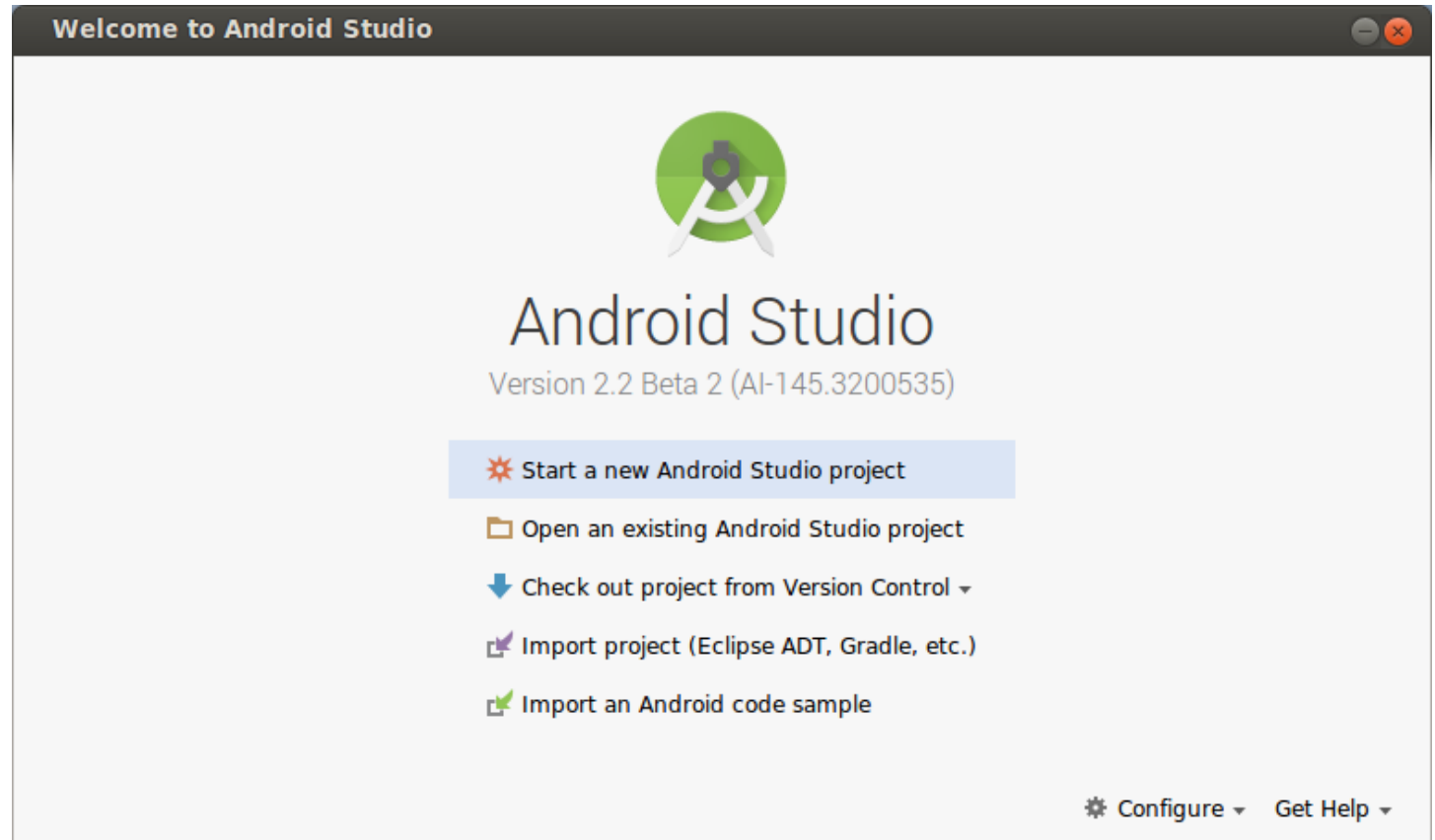
First App

What is Android Studio?



- Android IDE
- Project structure
- Templates
- Layout Editor
- Testing tools
- Gradle-based build
- Log Console
- Debugger
- Monitors
- Emulators


Start Android Studio



Name your app



Create New Project

 **New Project**
Android Studio

Configure your new project

Application name:

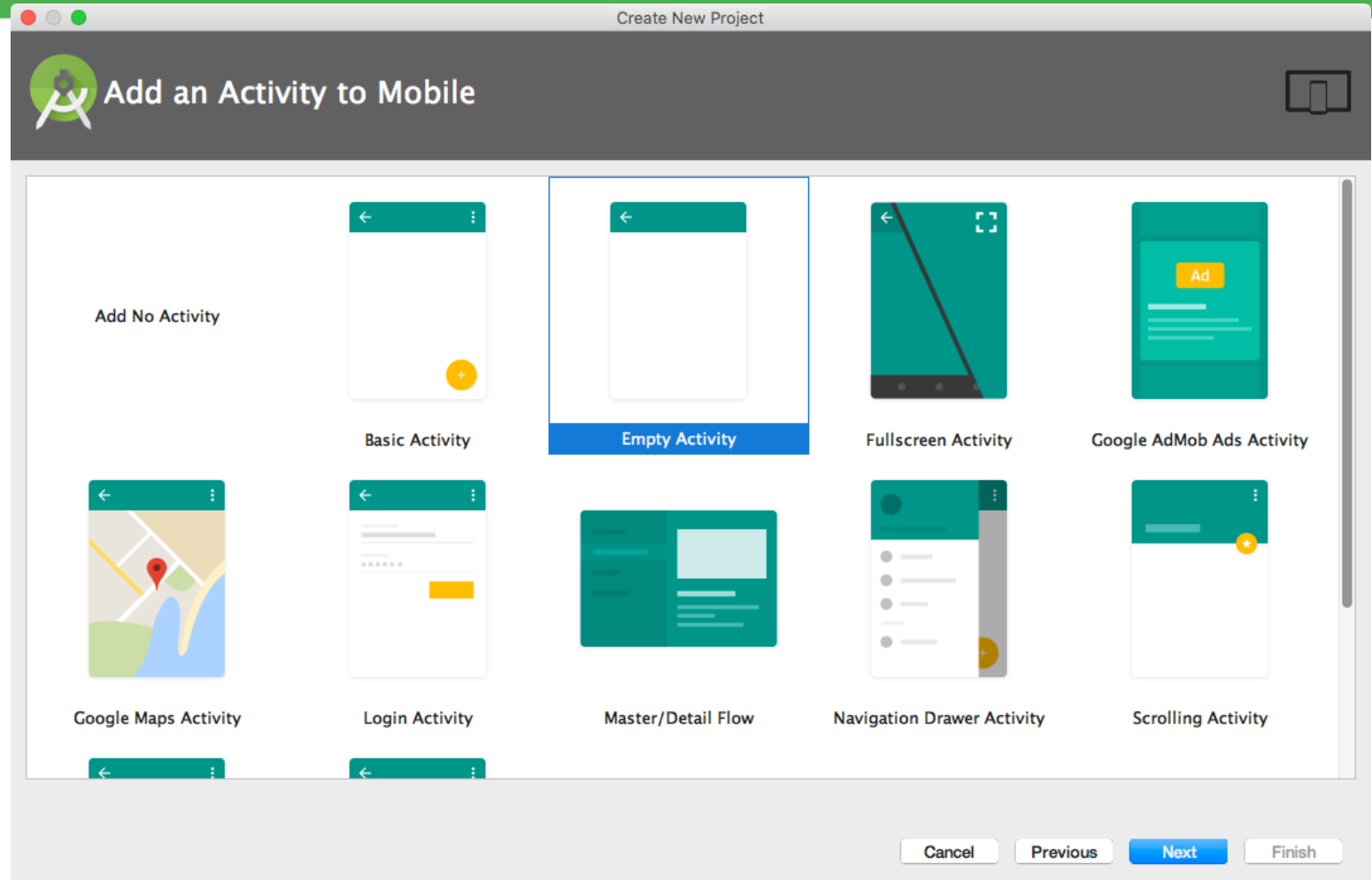
Company Domain:

Package name: [Edit](#)

☐ Include C++ Support

Project location: ...

Pick activity template



Name your activity



Create New Project

Customize the Activity

Creates a new empty activity

Activity Name:

☒ Generate Layout File

Layout Name:

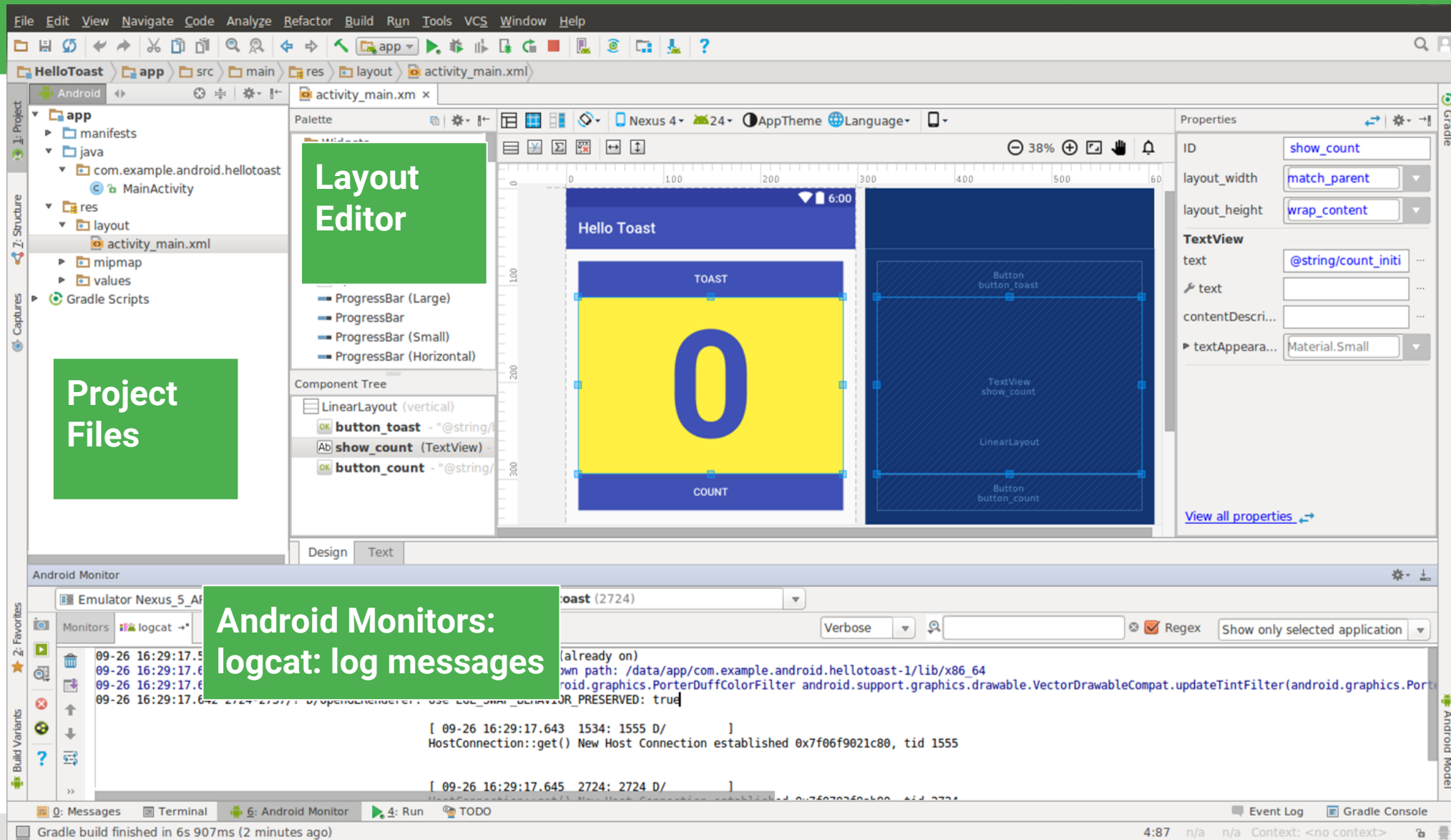
☒ Backwards Compatibility (AppCompat)

Empty Activity

The name of the activity class to create

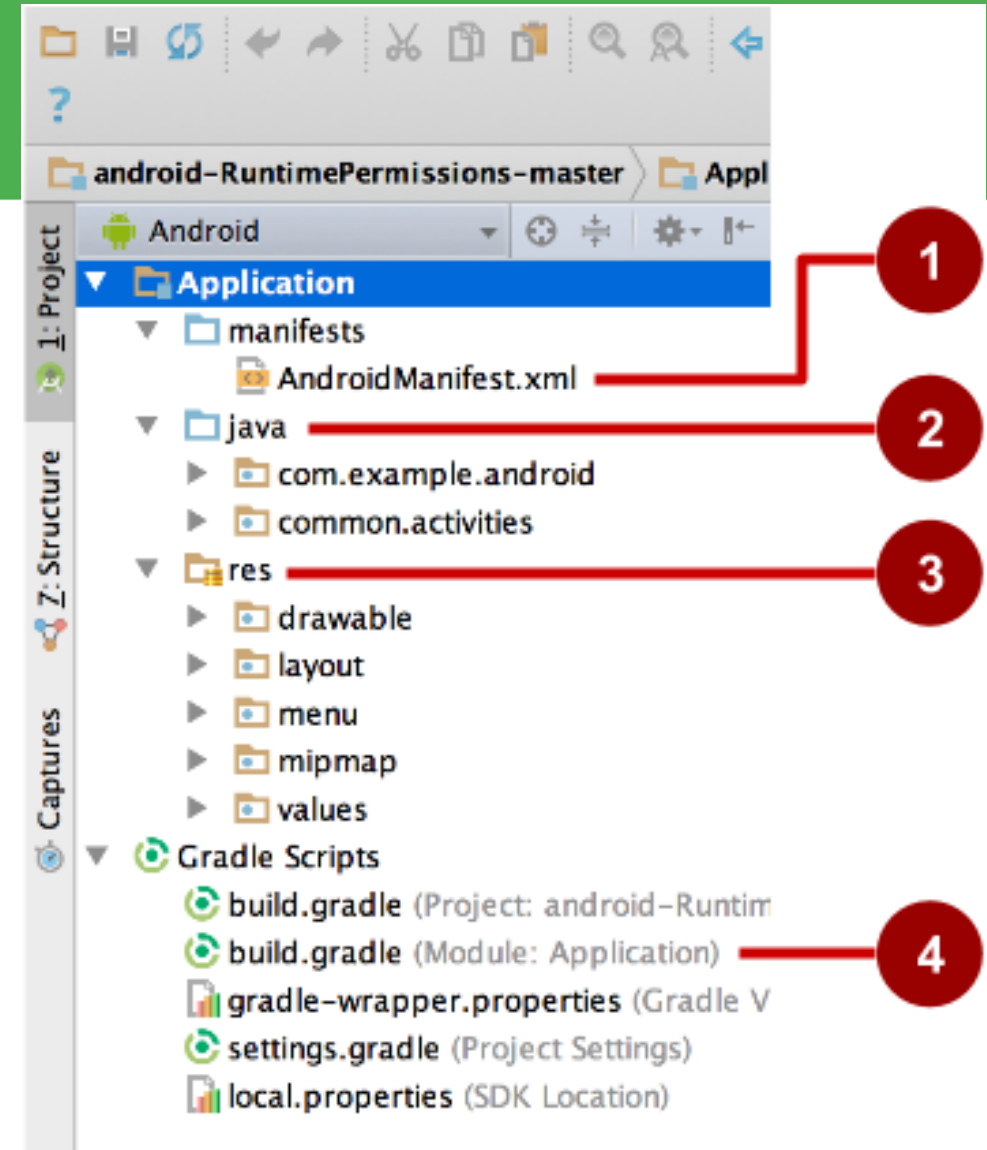
Cancel Previous Next Finish

Android Studio Panes

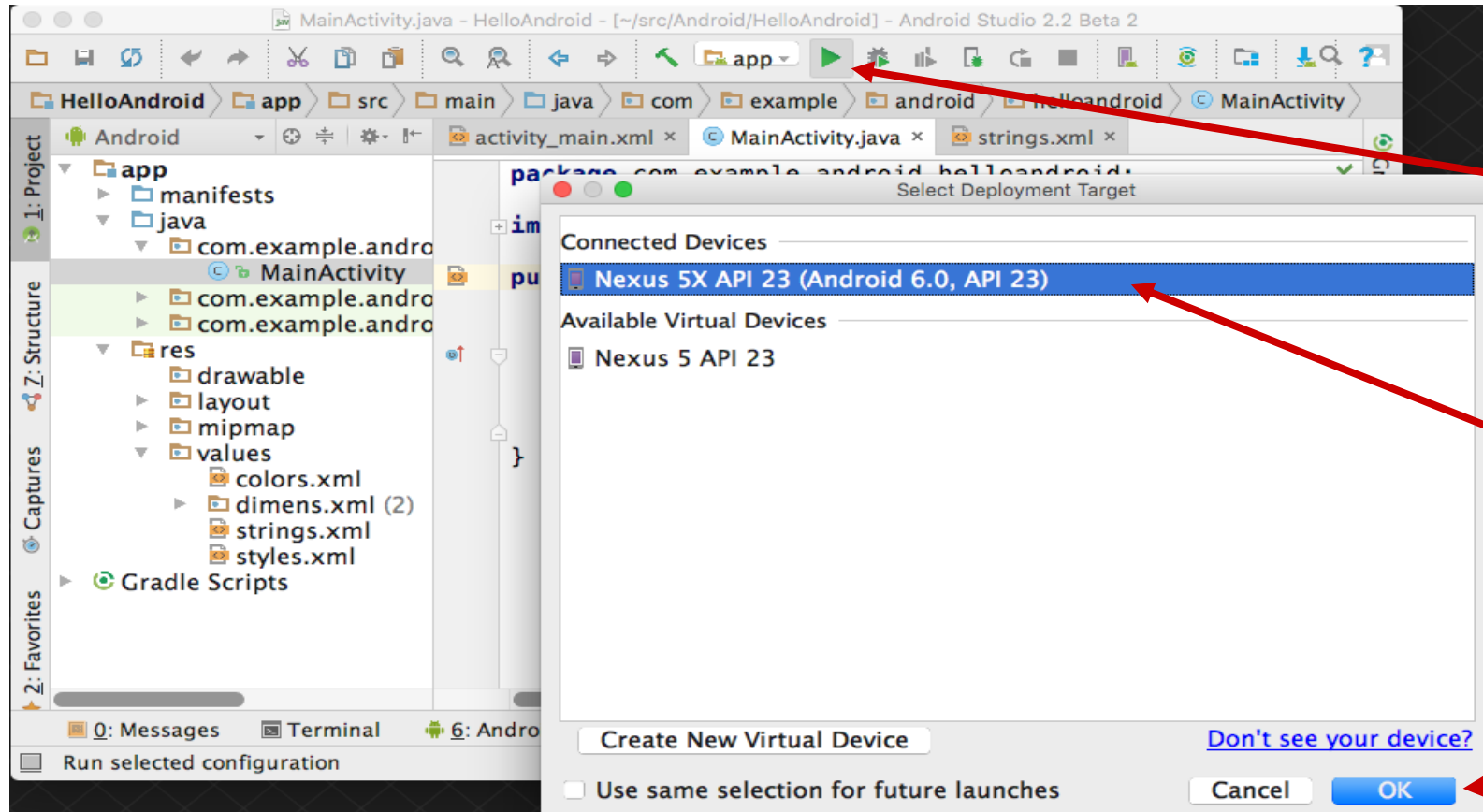


Project Files

1. **manifests**—Android Manifest file - description of app read by the Android runtime
2. **java**—Java source code packages
3. **res**—Resources (XML) - layout, strings, images, dimensions, colors...
4. **build.gradle**—Gradle build files



Project Files



1. Run

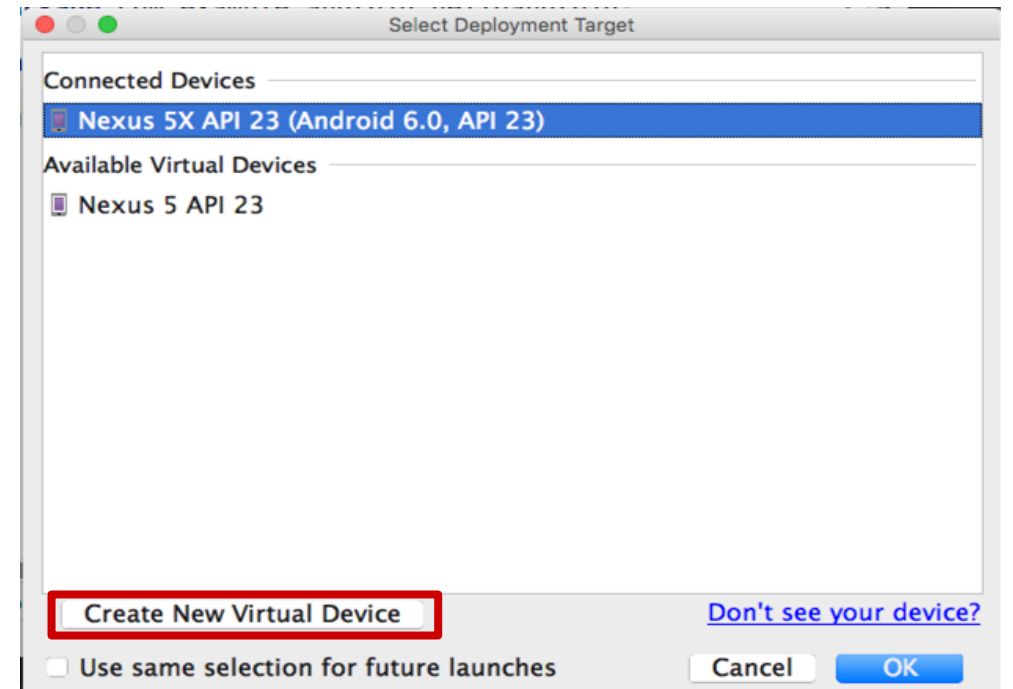
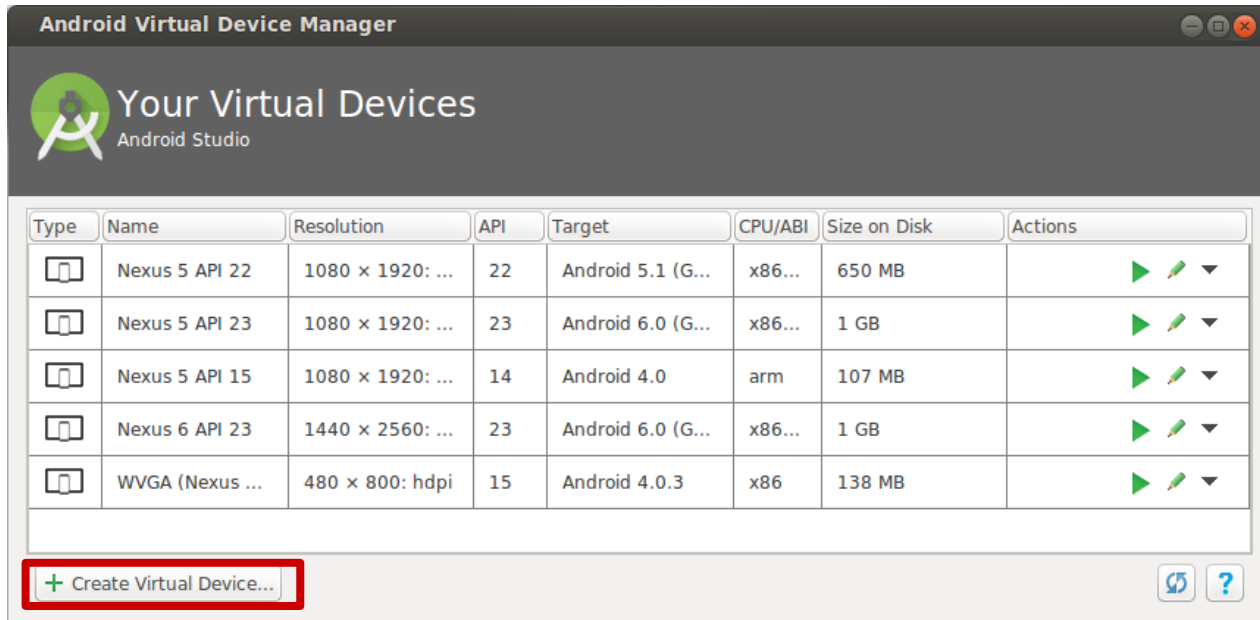
2. Select virtual or physical device

3. OK

Create a virtual device

Use emulators to test app on different versions of Android and form factors.

Tools > Android > AVD Manager



Create a virtual device

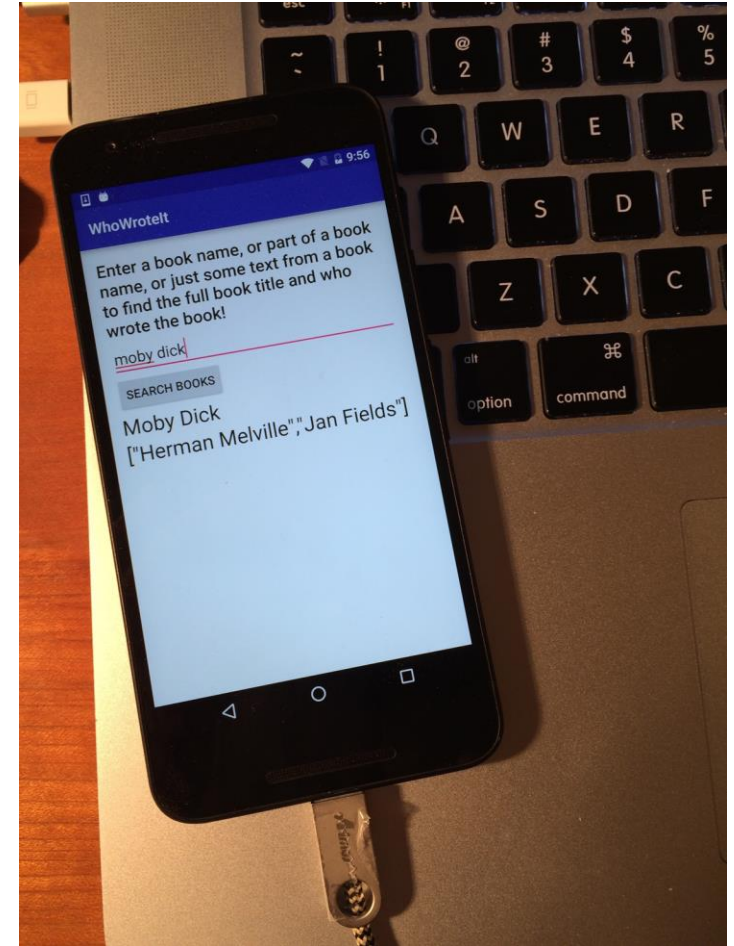
1. Turn on Developer Options:
 - a. **Settings > About phone**
 - b. Tap **Build number** seven times
2. Turn on USB Debugging
 - a. **Settings > Developer Options > USB Debugging**
3. Connect phone to computer with cable

Windows/Linux additional setup:

- [Using Hardware Devices](#)

Windows drivers:

- [OEM USB Drivers](#)



التمرين Practice

Lets Dive in Into The Android Studio.



Coding Interview



Gray code is a binary code where each successive value differ in only one bit, as well as when wrapping around.

Gray code is common in hardware so that we don't see temporary spurious values during transitions.

Given a number of bits n , generate a possible gray code for it. For example, for $n = 2$, one gray code would be $[00, 01, 11, 10]$.



شكرا لحضوركم
Thank You For Assisting