

Android Studio安装

安装配置JDK

◆ 进入官网: <https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> 选择合适版本的JDK安装包下载。

Java SE Development Kit 8u102

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

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Product / File Description	File Size	Download
Linux x86	160.35 MB	jdk-8u102-linux-i586.rpm
Linux x86	175.03 MB	jdk-8u102-linux-i586.tar.gz
Linux x64	158.35 MB	jdk-8u102-linux-x64.rpm
Linux x64	173.03 MB	jdk-8u102-linux-x64.tar.gz
Mac OS X	227.35 MB	jdk-8u102-macosx-x64.dmg
Solaris SPARC 64-bit	139.59 MB	jdk-8u102-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.98 MB	jdk-8u102-solaris-sparcv9.tar.gz
Solaris x64	140.02 MB	jdk-8u102-solaris-x64.tar.Z
Solaris x64	96.24 MB	jdk-8u102-solaris-x64.tar.gz
Windows x86	189.2 MB	jdk-8u102-windows-i586.exe
Windows x64	194.68 MB	jdk-8u102-windows-x64.exe

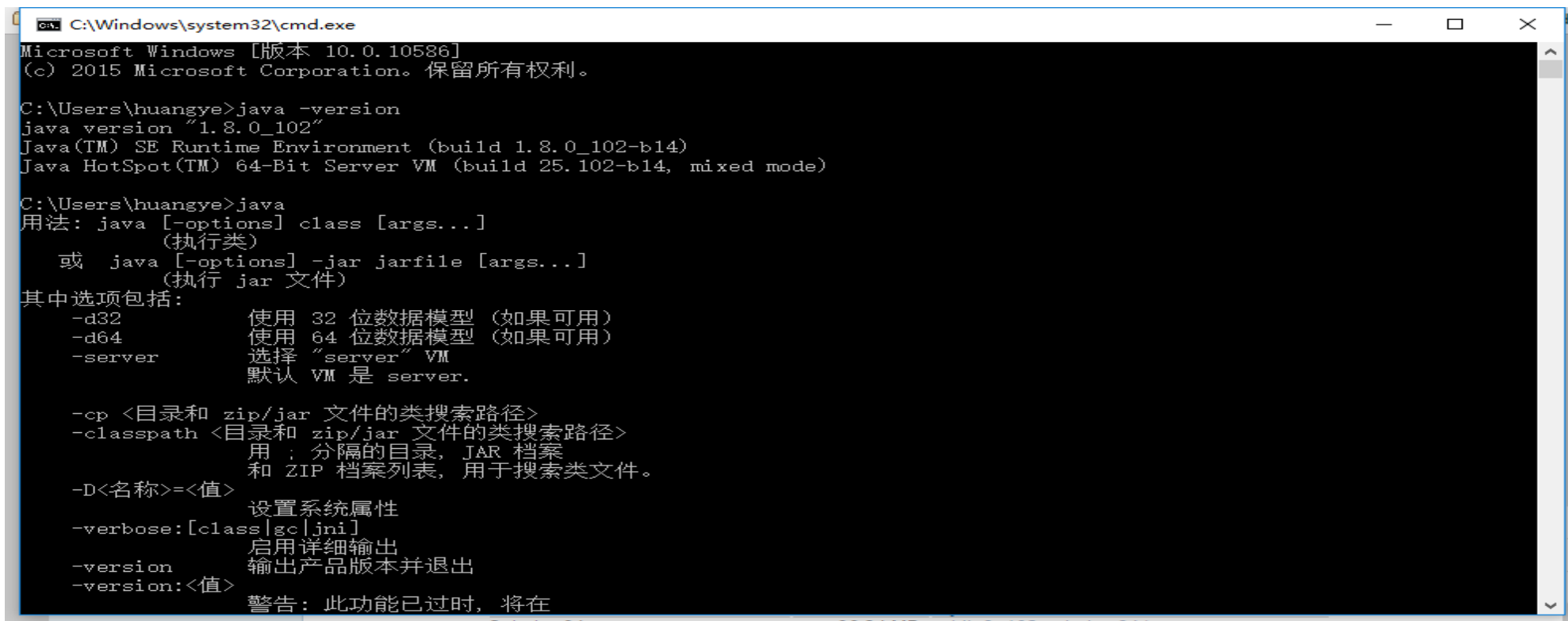
安装配置JDK

◆安装完成后，对JDK环境变量进行配置

1. 用Cortana搜索“环境变量”，或者右键“此电脑” --> “属性” --> “高级系统设置” --> “环境变量”；
2. 配置JAVA_HOME，Path和CLASSPATH；注意，要么此三者全部配置为系统变量，要么全部配置为用户变量。
 - JAVA_HOME：新建一个JAVA_HOME变量，变量值为安装的JDK的目录（路径要写全），例如 C:\Program Files\Java\jdk1.8.0_102
 - Path：在结尾处追加 %JAVA_HOME%\jre\bin;%JAVA_HOME%\bin;（结尾处没有分号，要自行追加“；”）
 - CLASSPATH：新建一个CLASSPATH变量，变量为
 - .;%JAVA_HOME%\lib;%JAVA_HOME%\lib\tools.jar（注意不要漏了前面的“.”）

安装配置JDK

配置完成JDK环境变量后，进入命令窗口输入：`java -version`检查是否配置正确，如下图所示：



```
C:\Windows\system32\cmd.exe
Microsoft Windows [版本 10.0.10586]
(c) 2015 Microsoft Corporation. 保留所有权利。

C:\Users\huangye>java -version
java version "1.8.0_102"
Java(TM) SE Runtime Environment (build 1.8.0_102-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.102-b14, mixed mode)

C:\Users\huangye>java
用法: java [-options] class [args...]
           (执行类)
 或 java [-options] -jar jarfile [args...]
           (执行 jar 文件)
其中选项包括:
  -d32          使用 32 位数据模型 (如果可用)
  -d64          使用 64 位数据模型 (如果可用)
  -server       选择 "server" VM
                默认 VM 是 server.

  -cp <目录和 zip/jar 文件的类搜索路径>
  -classpath <目录和 zip/jar 文件的类搜索路径>
                用 ; 分隔的目录, JAR 档案
                和 ZIP 档案列表, 用于搜索类文件。
  -D<名称>=<值> 设置系统属性
  -verbose:[class|gc|jni] 启用详细输出
  -version      输出产品版本并退出
  -version:<值> 警告: 此功能已过时, 将在
```

下载安装Android Studio

◆进入官网: <https://developer.android.com/studio/> 下载合适的版本

androidstudio

Android Studio provides the fastest tools for building apps on every type of Android device.

DOWNLOAD ANDROID STUDIO

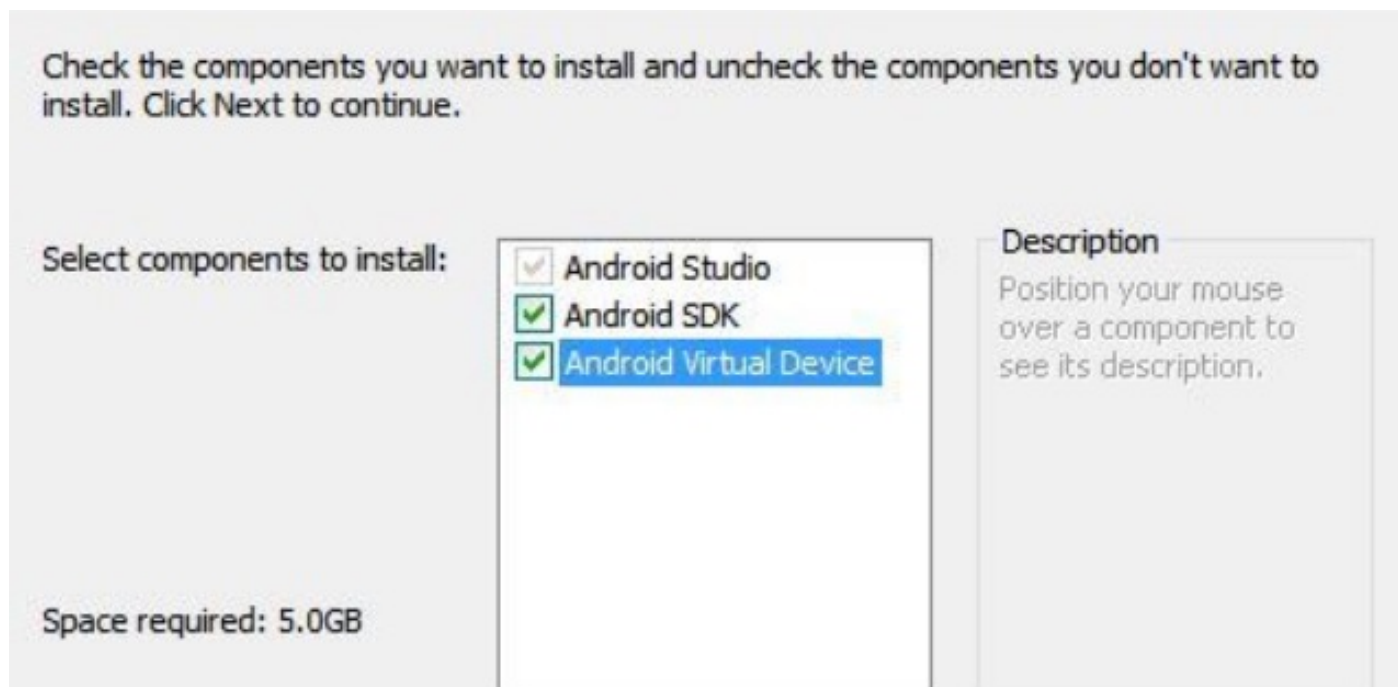
3.2 for Windows 64-bit (923 MB)

DOWNLOAD OPTIONS

RELEASE NOTES

下载安装Android Studio

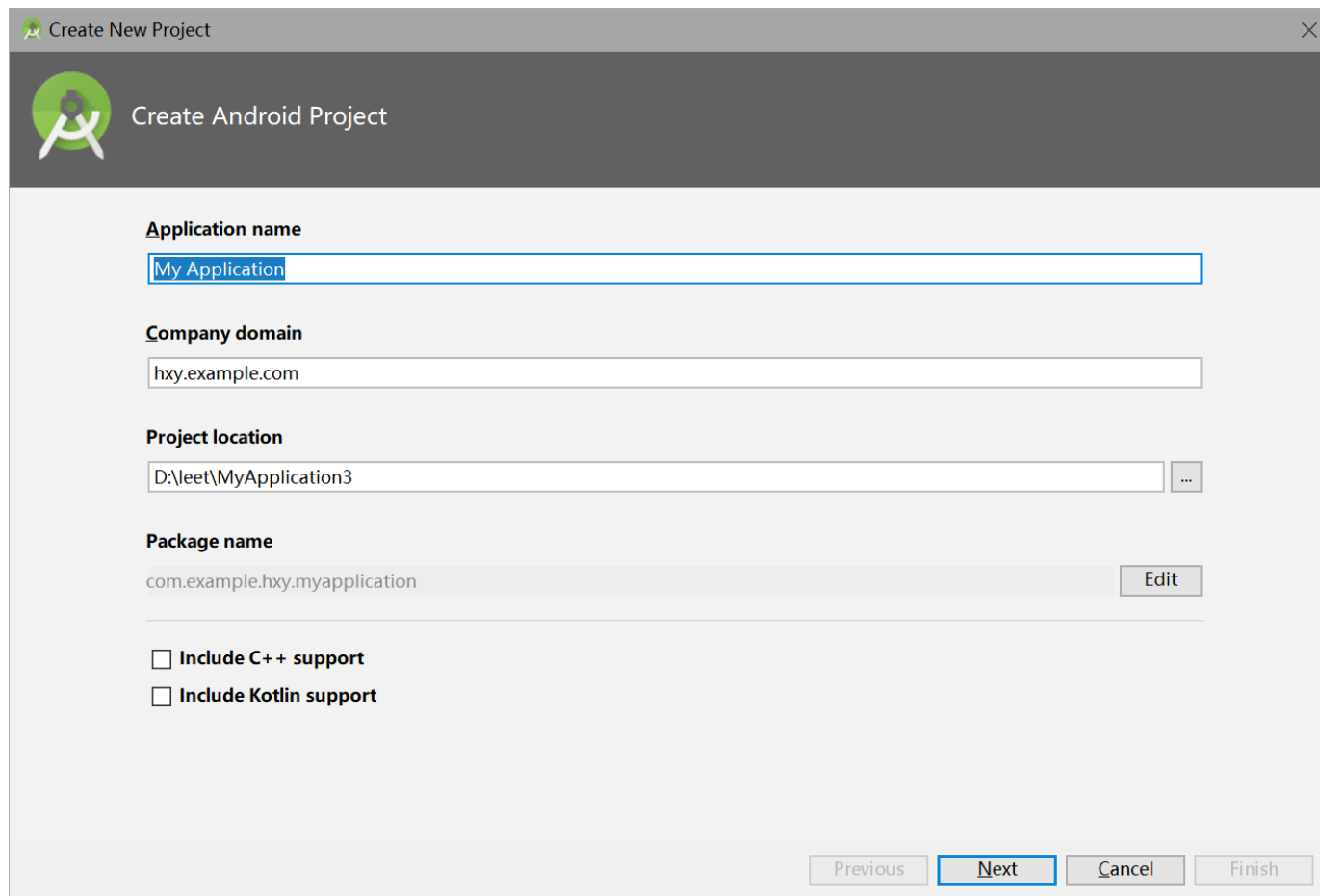
- ◆ 安装时若未下载SDK，勾选SDK；若没有Android真机用于调试，勾选Virtual Device用于模拟Android手机进行调试；其他一直点击next，等待下载安装完成；



使用Android Studio

◆ 创建一个Project:

配置合适的工程名以及存储路径



Create New Project

Create Android Project

Application name
My Application

Company domain
hxy.example.com

Project location
D:\leet\MyApplication3

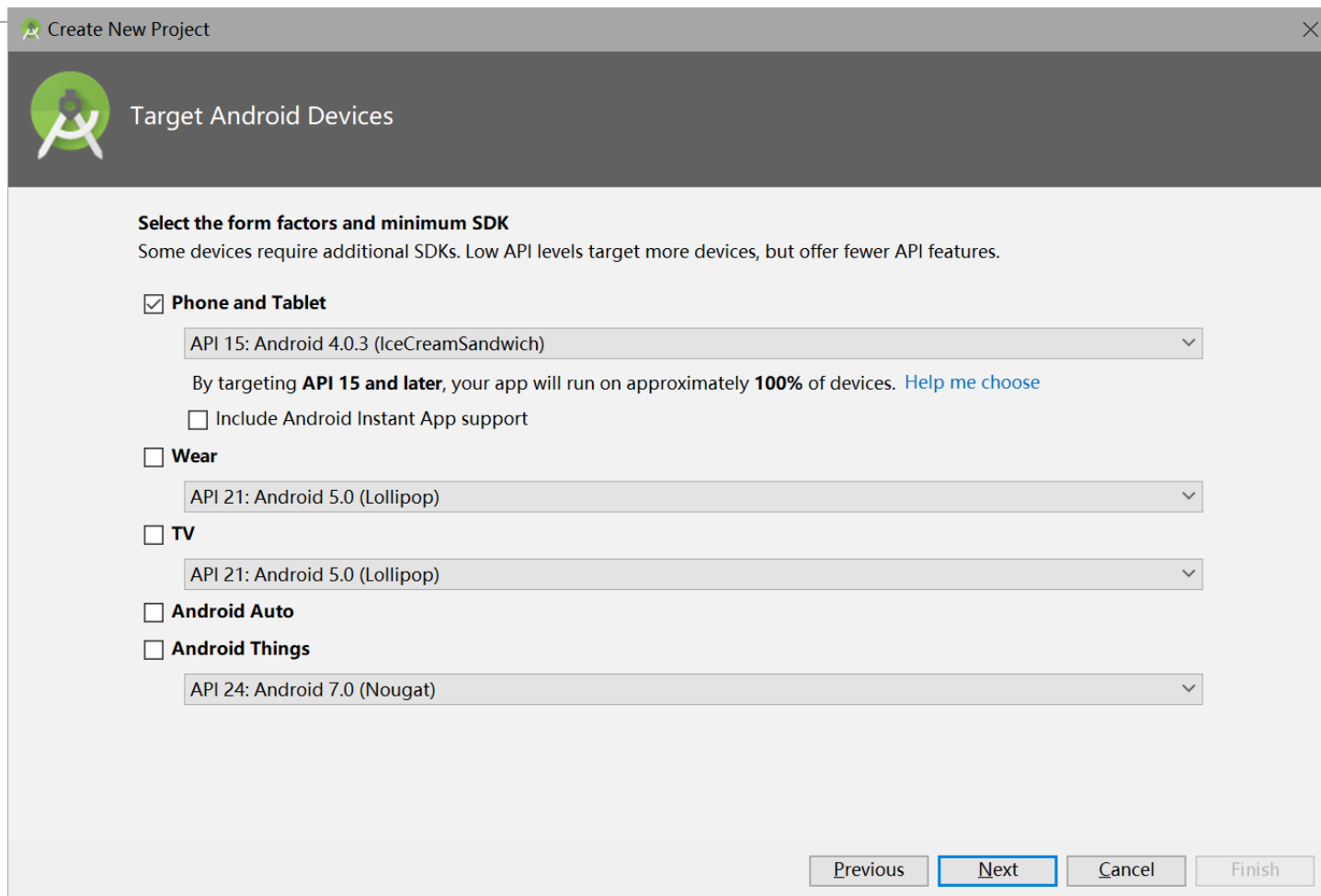
Package name
com.example.hxy.myapplication Edit

☐ Include C++ support
☐ Include Kotlin support

Previous Next Cancel Finish

使用Android Studio

- ◆ 选择应用设备；
- ◆ 以及最低适用的API版本



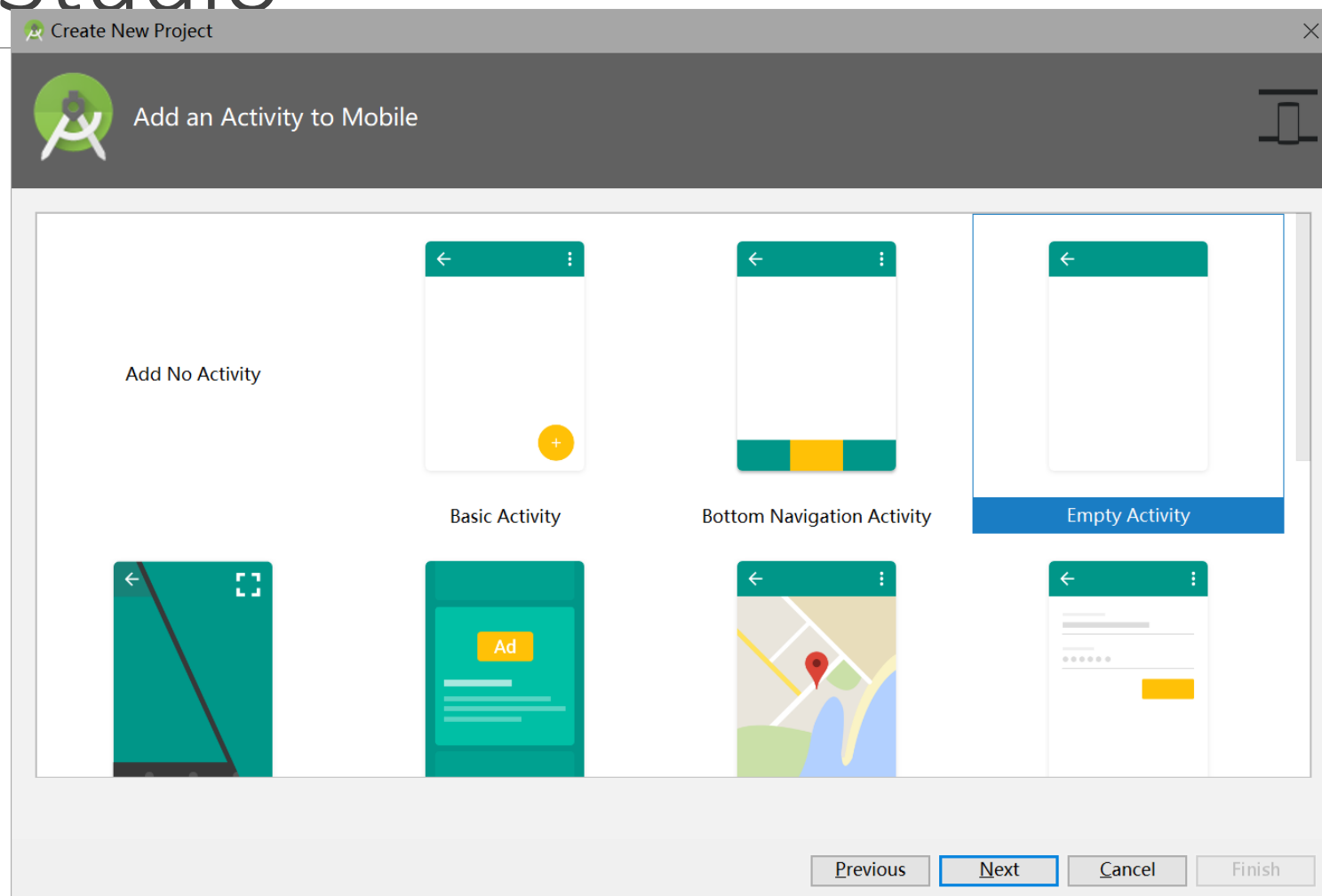
The screenshot shows the 'Create New Project' dialog in Android Studio. The title bar says 'Create New Project'. Below the title bar is a dark header with the Android logo and the text 'Target Android Devices'. The main content area is titled 'Select the form factors and minimum SDK' and includes a note: 'Some devices require additional SDKs. Low API levels target more devices, but offer fewer API features.' There are five sections, each with a checkbox and a dropdown menu for the minimum SDK level:

- ☒ **Phone and Tablet**
API 15: Android 4.0.3 (IceCreamSandwich)
By targeting **API 15 and later**, your app will run on approximately **100%** of devices. [Help me choose](#)
☐ Include Android Instant App support
- ☐ **Wear**
API 21: Android 5.0 (Lollipop)
- ☐ **TV**
API 21: Android 5.0 (Lollipop)
- ☐ **Android Auto**
- ☐ **Android Things**
API 24: Android 7.0 (Nougat)

At the bottom right, there are four buttons: 'Previous', 'Next' (highlighted with a blue border), 'Cancel', and 'Finish'.

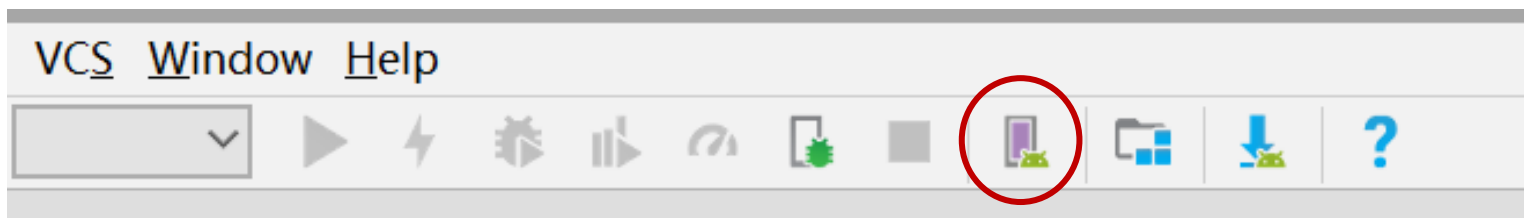
使用Android Studio

◆选择应用类型：此处推荐创建Empty Activity

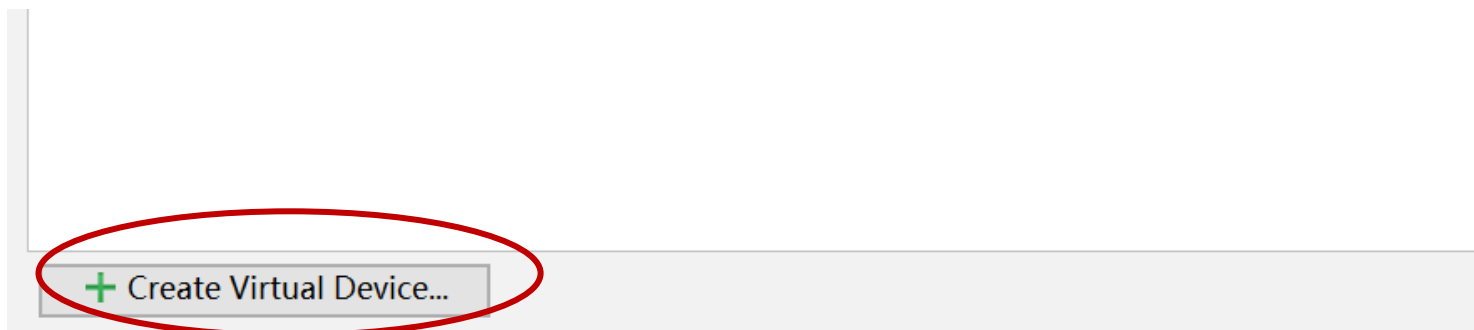


使用Android Studio

◆此时一个最简单的拥有界面的App已经创建成功，若没有Android真机进行调试，可点击下图此处配置一个虚拟机。

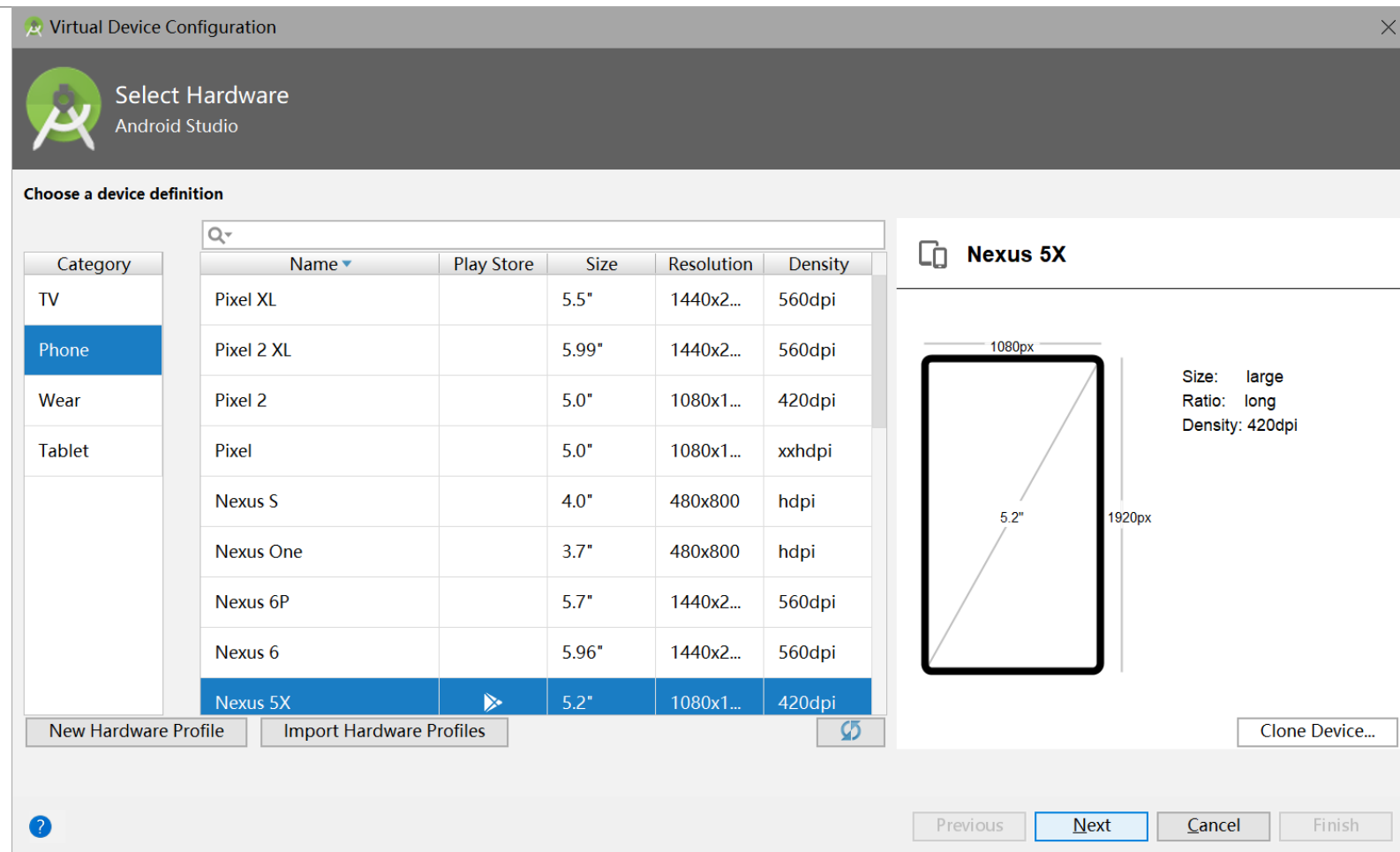


◆点击下图按钮，配置自定义的虚拟Android机配置：



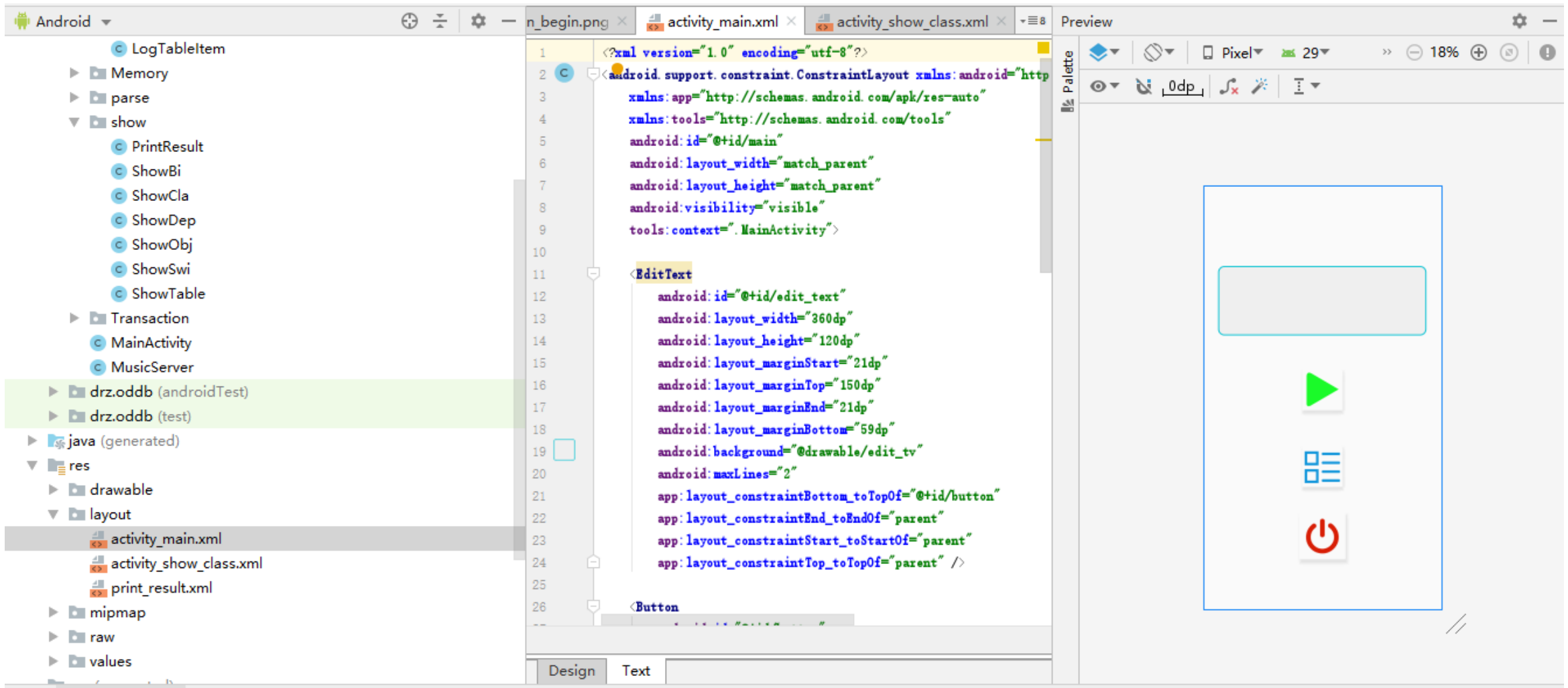
使用Android Studio

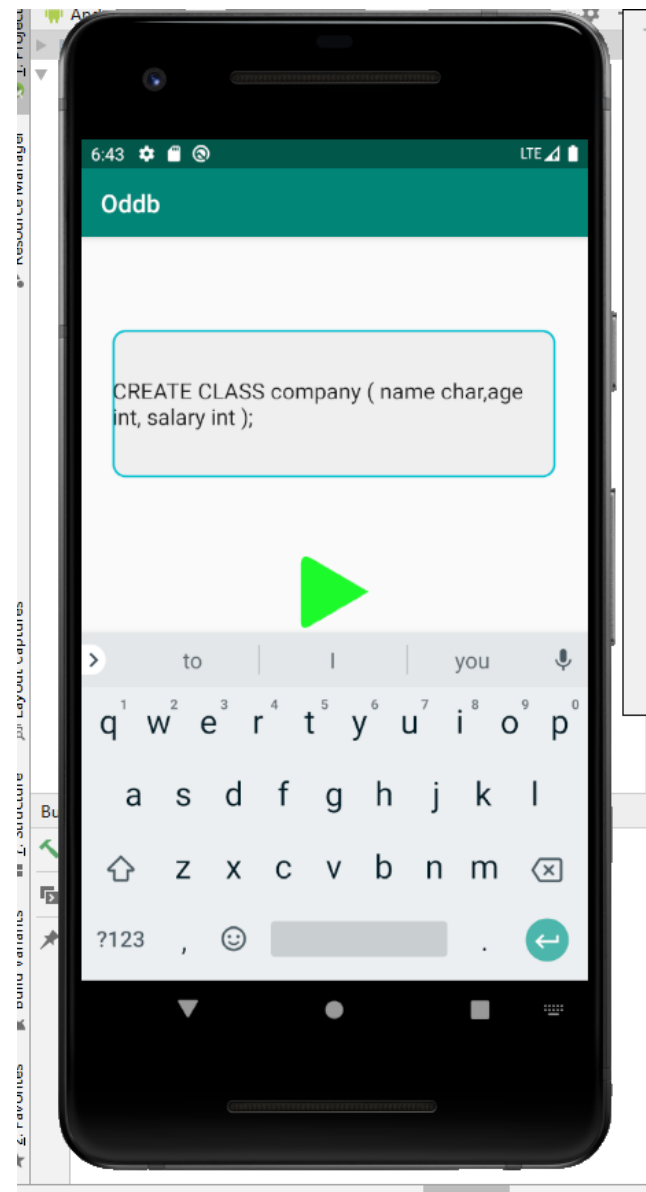
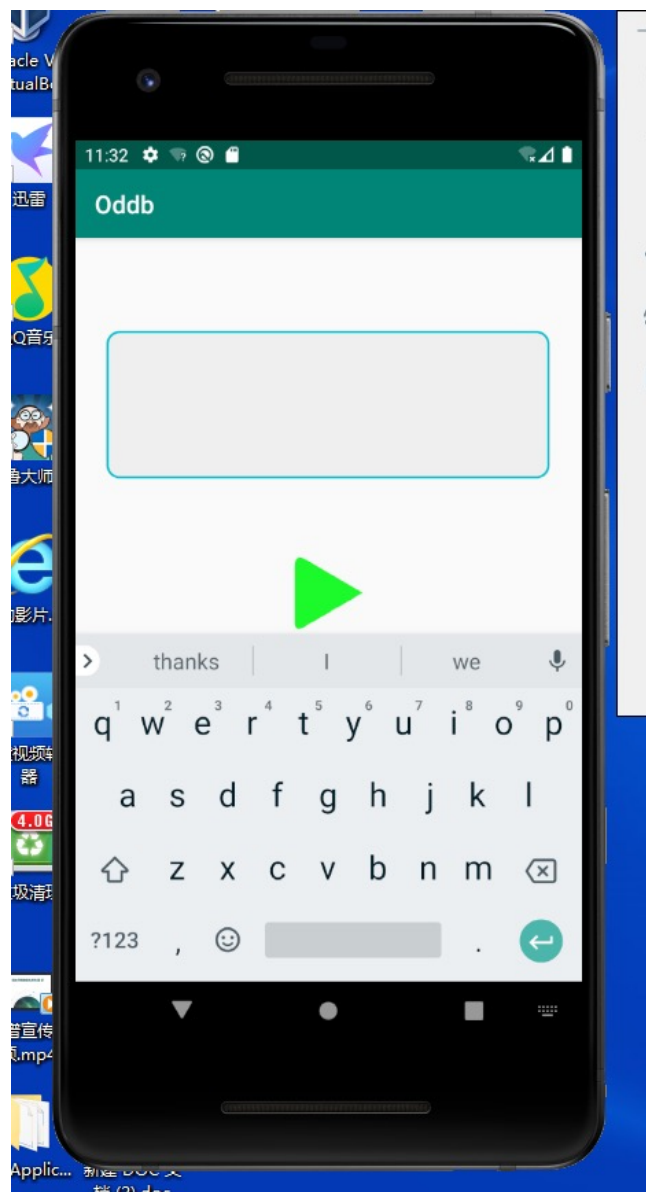
◆ 配置自定义虚拟机

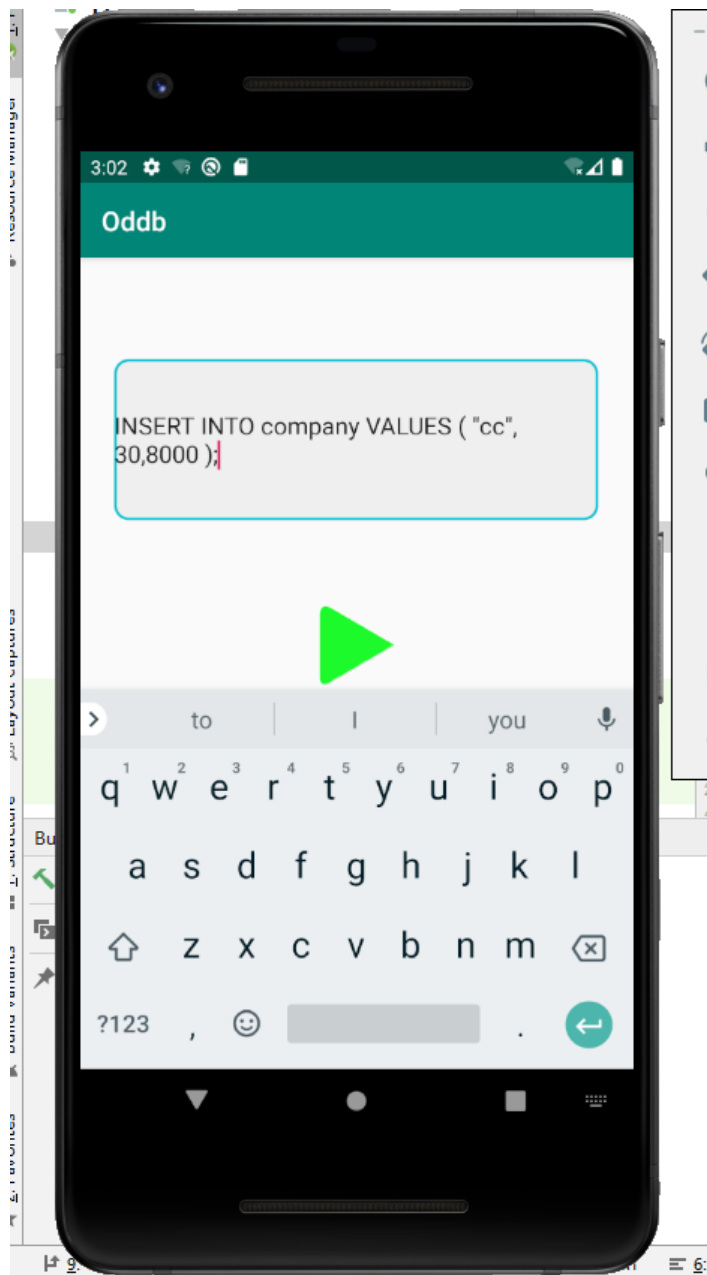


override

```
protected void onCreate(Bundle savedInstanceState) {  
    music = new Intent( packageContext: MainActivity.this, MusicServer.class);  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    //播放BGM  
    //startService(music);  
  
    //查询按钮  
    Button button = findViewById(R.id.button);  
    editText = findViewById(R.id.edit_text);  
    button.setOnClickListener((v) -> {  
        //onStop();  
        //trans.Test();  
        trans.query(editText.getText().toString());  
    });  
  
    //退出按钮  
    Button exit_button = findViewById(R.id.exit_button);  
    exit_button.setOnClickListener((v) -> {  
        showexitdialog(v);  
        stopService(music);  
    });  
  
    //展示按钮  
    Button show_button = findViewById(R.id.showbutton);  
    show_button.setOnClickListener((v) -> {
```







Install successfully finished in 206 ms.: App restart successful without requiring



Install successfully finished in 206 ms.: App restart successful without requiring

