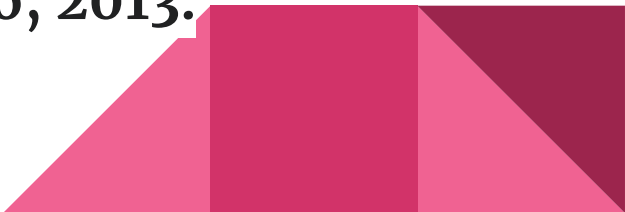


Installation of



What is android studio ?

- Android Studio is the official IDE for Android app development.
 - Developed by JetBrains IntelliJ IDEA.
 - It is available on Windows, macOS and Linux.
 - Android Studio was announced on May 16, 2013.
- 


Why should we install android studio ??

❖ This IDE makes easier to the software developers :

- To design
- To build
- To run
- To test software.



System Requirements :

- **Min Screen Resolution : 1280 * 800**
 - **Free Space : 8GB of available disk space**
 - **Min RAM : 8GB**
 - **Operating SystemVersion : Windows (8-10)**
 - **System Environment : JRE**
- 

Downloading Android studio from chrome :

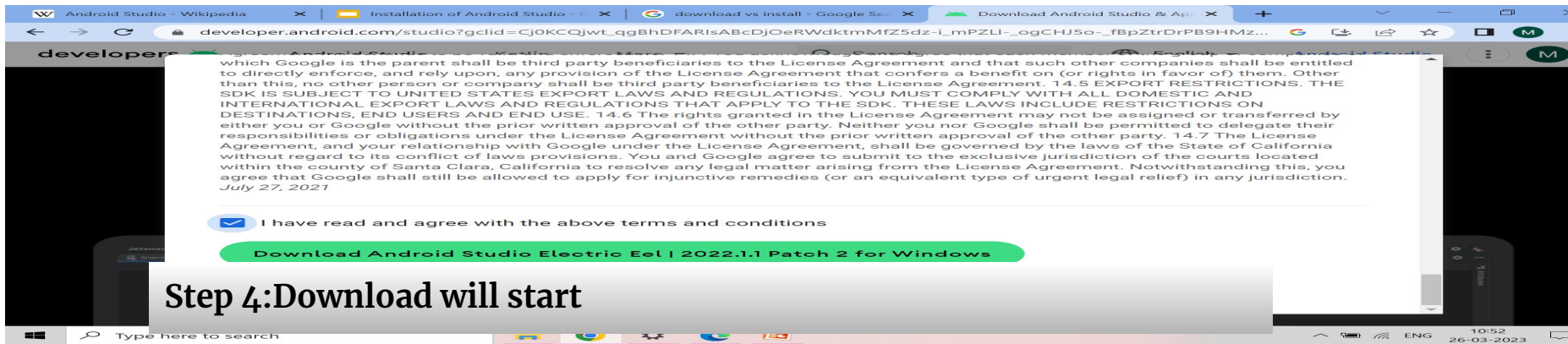
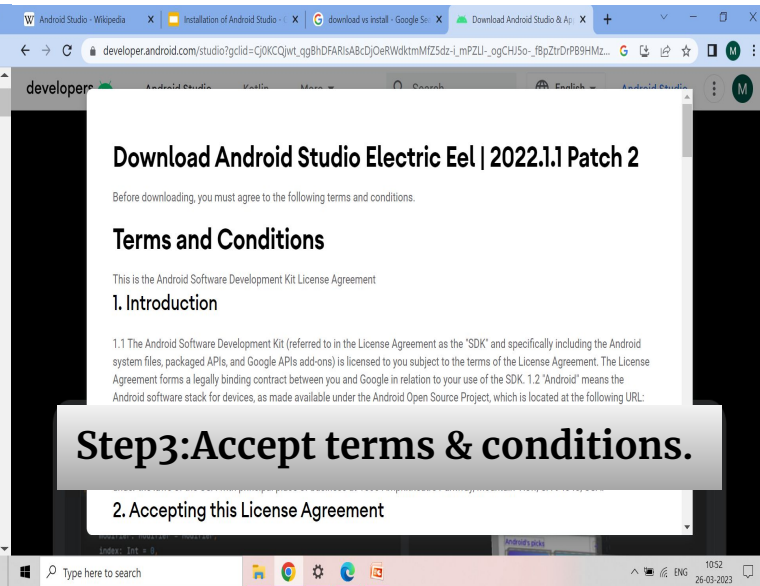
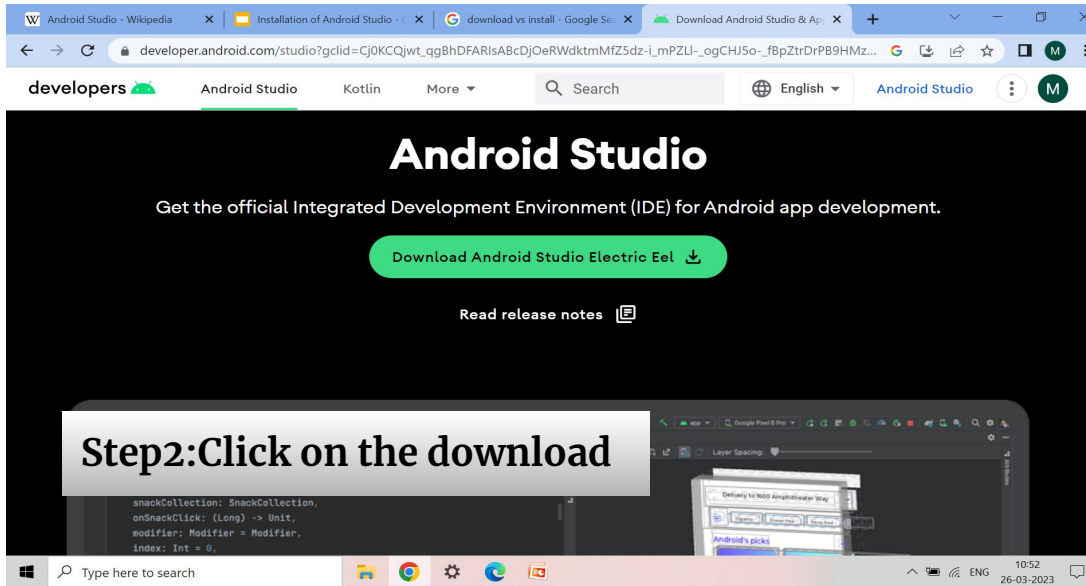
Step 1 : Open your browser google chrome then search “<https://developer.android.com/studio>”.

Step 2 : Click on “Download Android Studio” button.

Step 3: Accept Terms & Conditions by clicking on check

Step 4:Download of Android Studio will start.



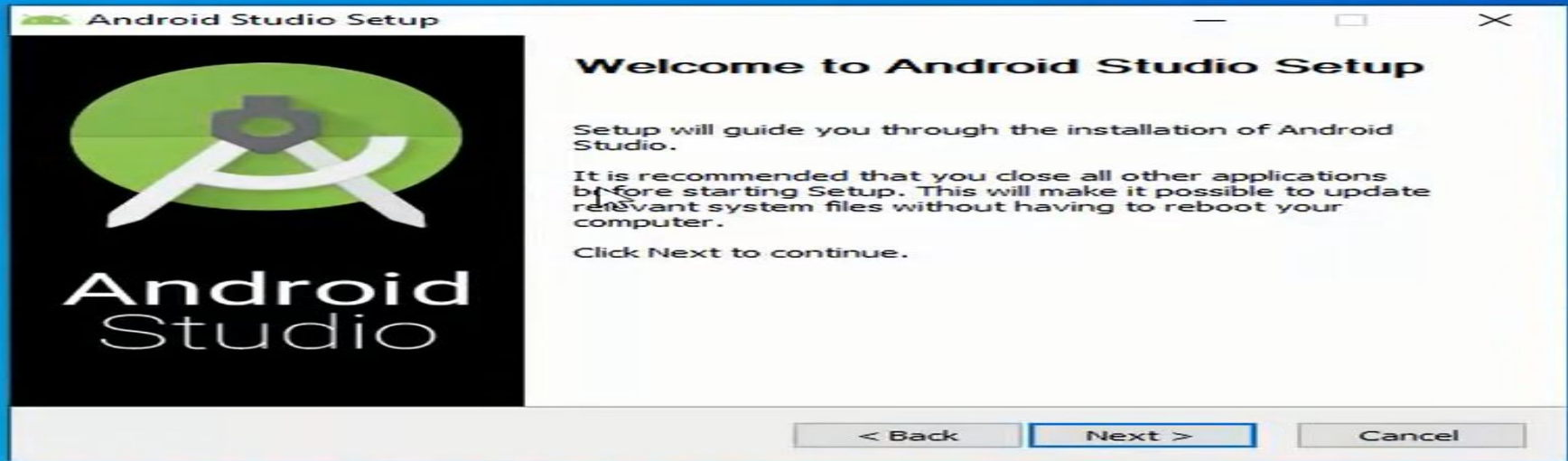


Installation of Android Studio

- Open your command prompt type “java -version”.
- If you already have java runtime environment

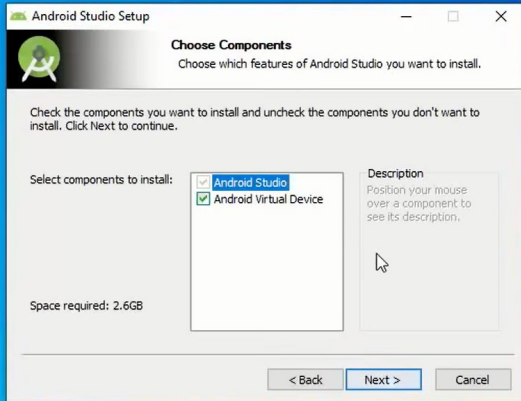
```
ccLab@ccLab-OptiPlex-390:~$ java -version
openjdk version "11.0.17" 2022-10-18
OpenJDK Runtime Environment (build 11.0.17+8-post-Ubuntu-1ubuntu220.04)
OpenJDK 64-Bit Server VM (build 11.0.17+8-post-Ubuntu-1ubuntu220.04, mixed mode
, sharing)
ccLab@ccLab-OptiPlex-390:~$
```

Installation of Android Studio

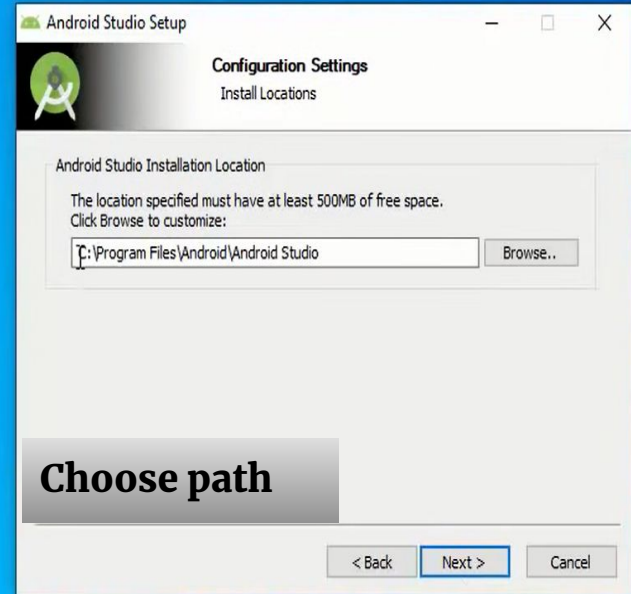


Click on Next to continue the setup

Installation of Android Studio

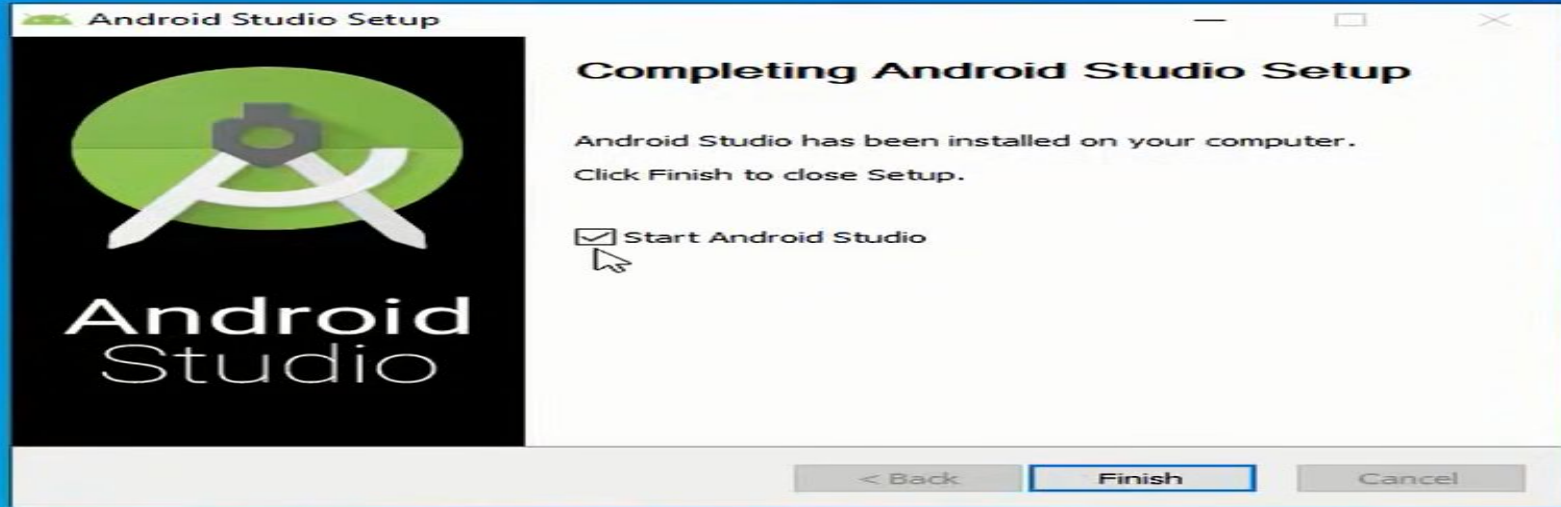


Choose android virtual device



Choose path

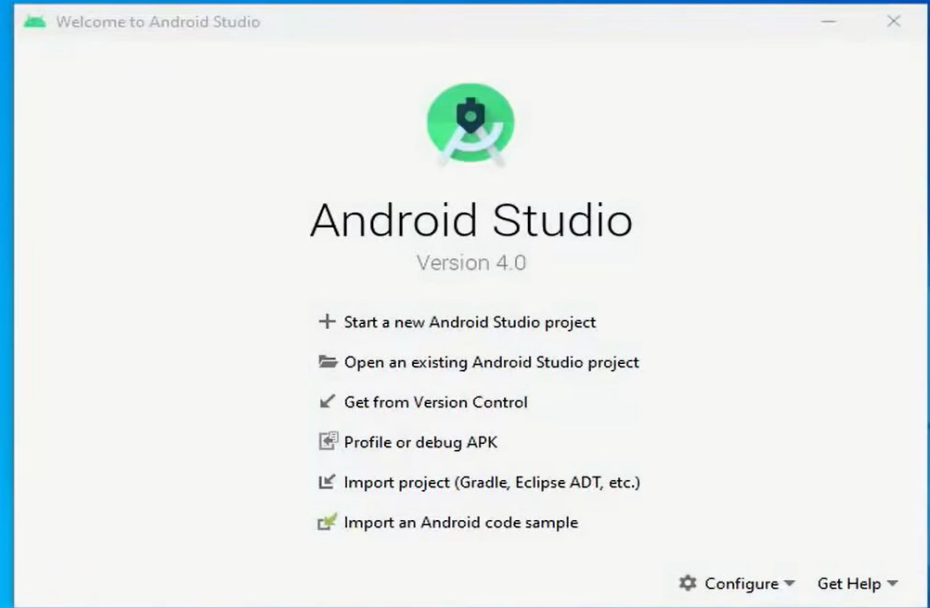
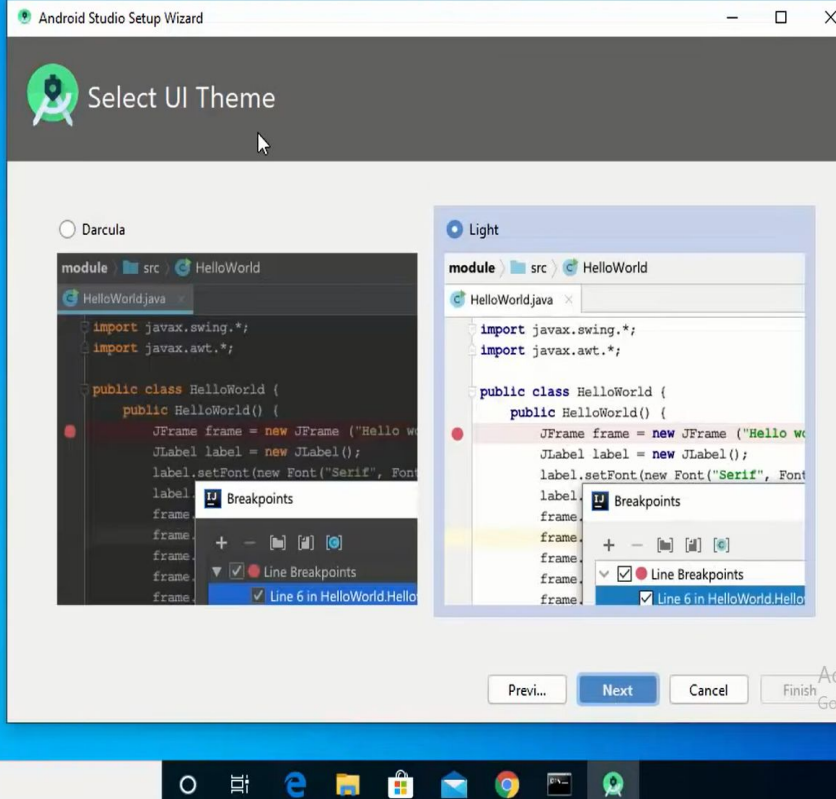
Installation of Android Studio



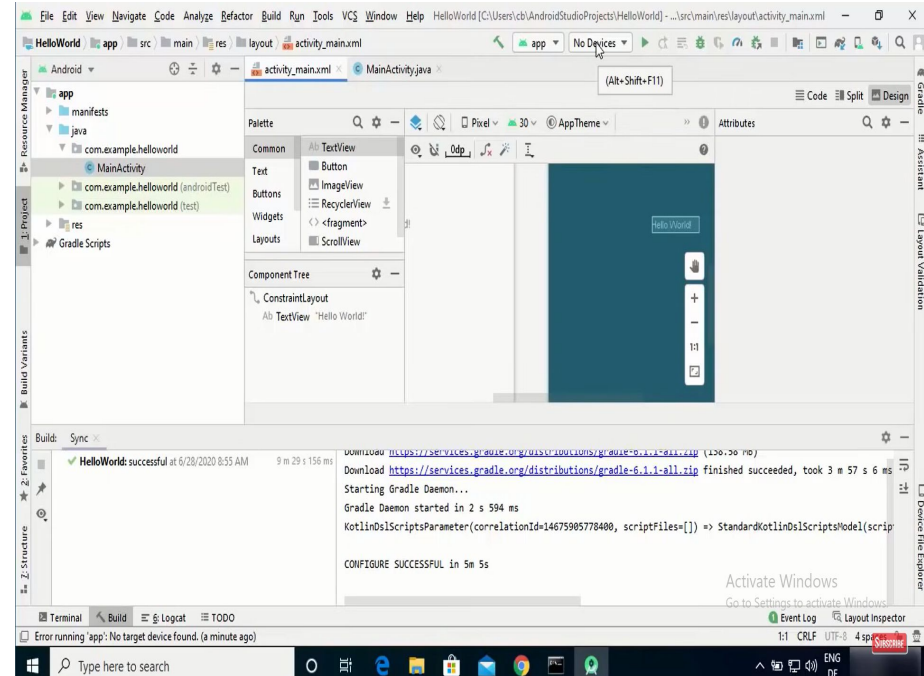
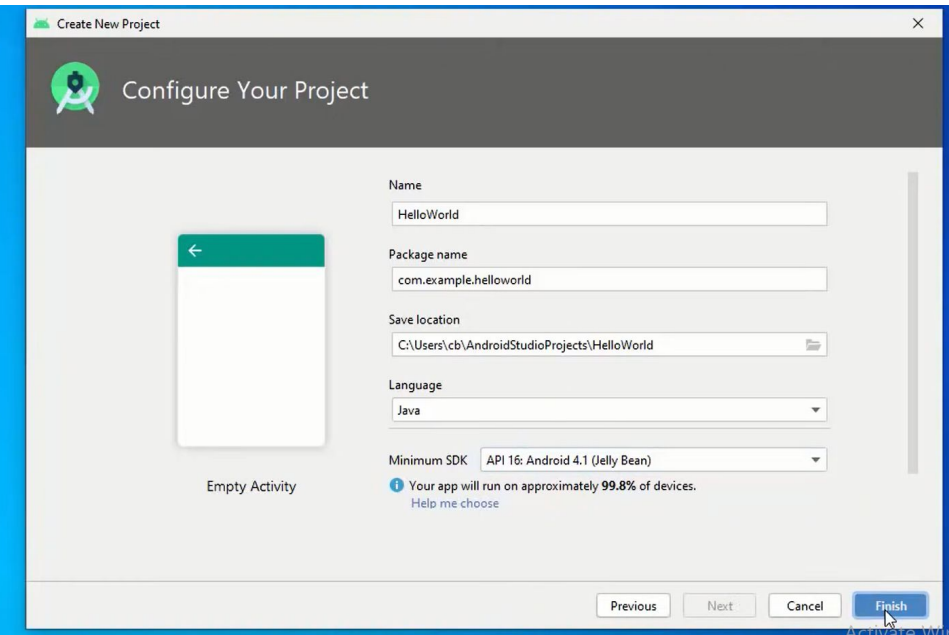
We are ready to setup android virtual device

Installation of Android Studio

We are ready to start new project



Installation of Android Studio



Creating Android Virtual Device(AVD)

Step1 : Click on create new AVD opt

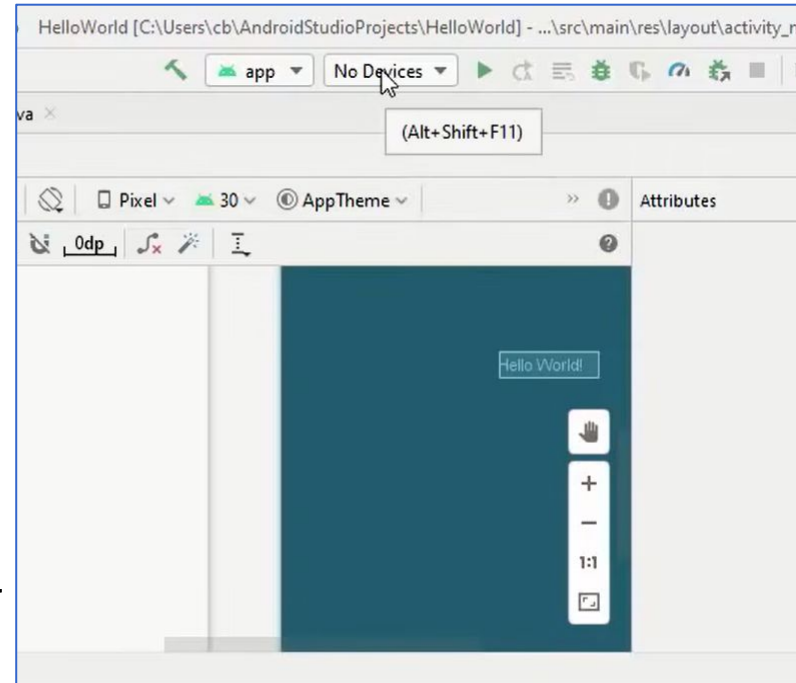
Step2 : Select your Device

Step 3 : Select img as 'oreo'

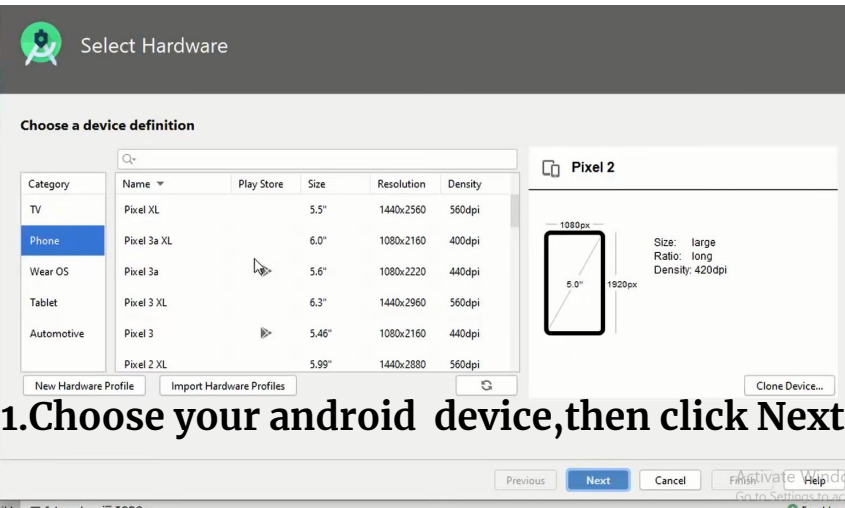
Step 4 : Give name for your device.

Step 5 : Click on Finish

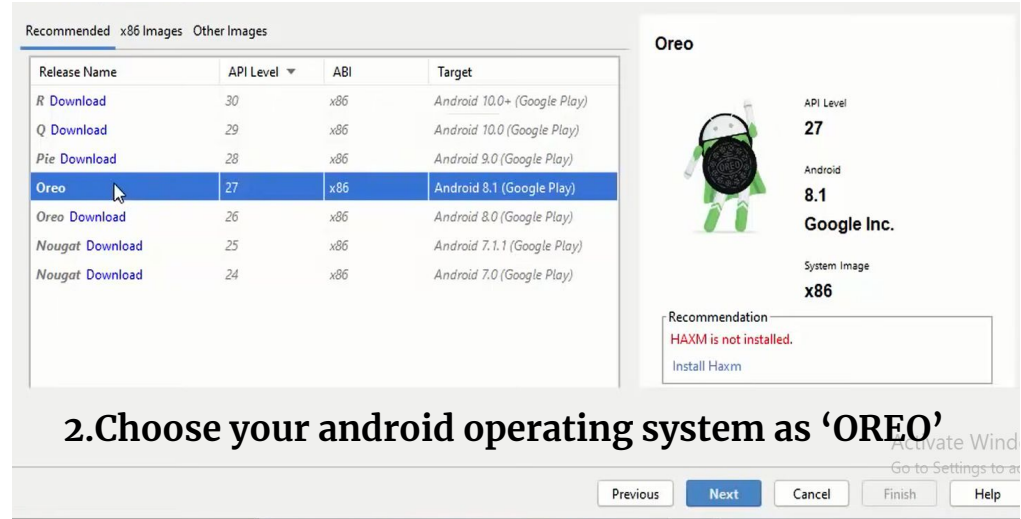
Finally you are ready to use android virtual device.



Creating Android Virtual Device(AVD)



1. Choose your android device, then click Next.



2. Choose your android operating system as 'OREO'



3. Give name to your Android Virtual Device, then click on Finish.

Testing

HelloWorld [C:\Users\voytenko\AndroidStudioProjects\HelloWorld] - ...app\src\main\java\com\example\helloworld\MainActivity.kt [HelloWorld] - Android Studio

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

Android Studio interface showing the project structure on the left, the MainActivity.kt file in the center, and a virtual device (Nexus S) on the right. The MainActivity.kt file contains the following code:

```
1 package com.example.helloworld
2
3 import ...
4
5 class MainActivity : AppCompatActivity() {
6
7     override fun onCreate(savedInstanceState: Bundle?) {
8         super.onCreate(savedInstanceState)
9         setContentView(R.layout.activity_main)
10    }
11 }
12
13
```

The virtual device screen displays the date September 3, Tuesday, 2019, and the time 8:39. The screen also shows the Google logo, Maps, and Play Store icons.

4. Click on the run button to test.

13:1 CRLF UTF-8 4 spaces 8:39 PM 2019-09-03



Thank You!

