

Experiment 1.1

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Section/Group: 707-(B)

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Aim/Overview of the practical: Installing and running applications on android studio.

Objective: Installing and running applications on android studio.

Steps:

System Requirement:

The required tools to develop Android applications are open source and can be downloaded from the Web. Following is the list of software's you will need before you start your Android application programming.

- Java JDK5 or later version
- Java Runtime Environment (JRE) 6 Android Studio

Setup Android Studio:

Android Studio is the official Integrated Development Environment (IDE) for Android app development. Based on the powerful code editor and developer tools from IntelliJ IDEA, Android Studio offers even more features that enhance your productivity when building Android apps, such as:

- A flexible Gradle-based build system
- A fast and feature-rich emulator

- A unified environment where you can develop for all Android devices

- Apply Changes to push code and resource changes to your running app without restarting your app.

If you are installing Android Studio on Windows, you can download the latest version from Android Studio Window Download, or Android Studio, check the instructions provided along with the downloaded file for Windows.

Make sure before launch Android Studio, Our Machine should require installed Java JDK. To install Java JDK, take a reference of Android environment setup.

- I. Click on the Download Android Studio Button.



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

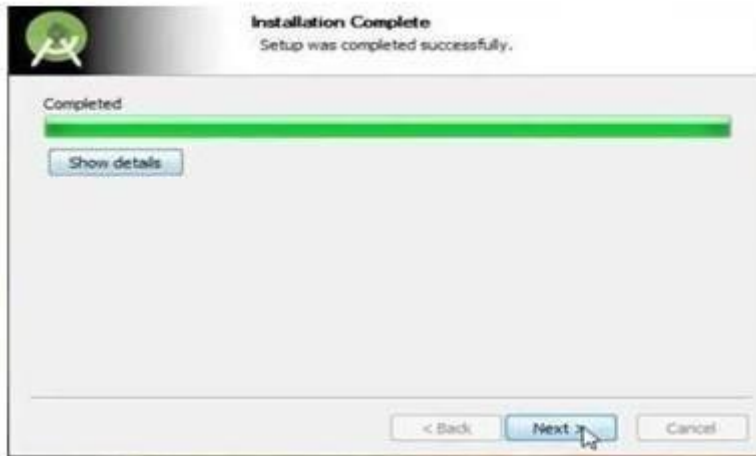
DOWNLOAD ANDROID STUDIO

4.1.3 for Windows 64-bit (896 MiB)

- II. After the downloading has finished, open the file from downloads and run it. It will prompt the following dialog box.



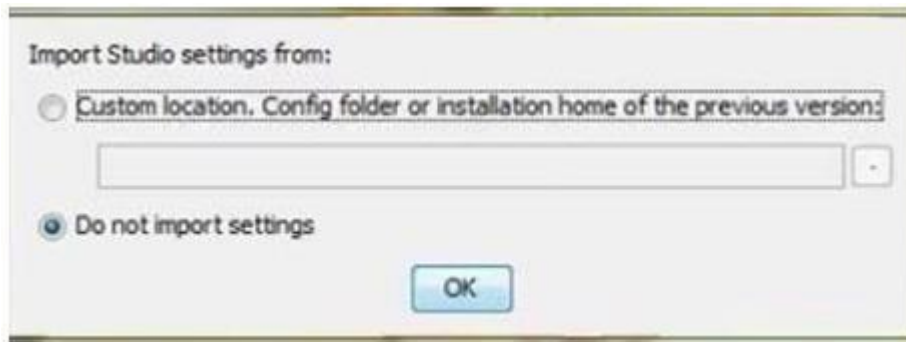
Click on next. In the next prompt, it'll ask for a path for installation. Choose a path and hit next.



- III. It will start the installation, and once it is completed, it will be like the image shown below.



- IV. Once "Finish" is clicked, it will ask whether the previous settings need to be imported [if the android studio had been installed earlier], or not. It is better to choose the 'Don't import Settings option'.

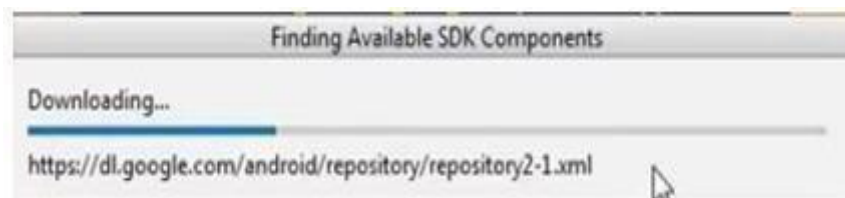


Click the OK button.

- V. This will start the Android Studio.



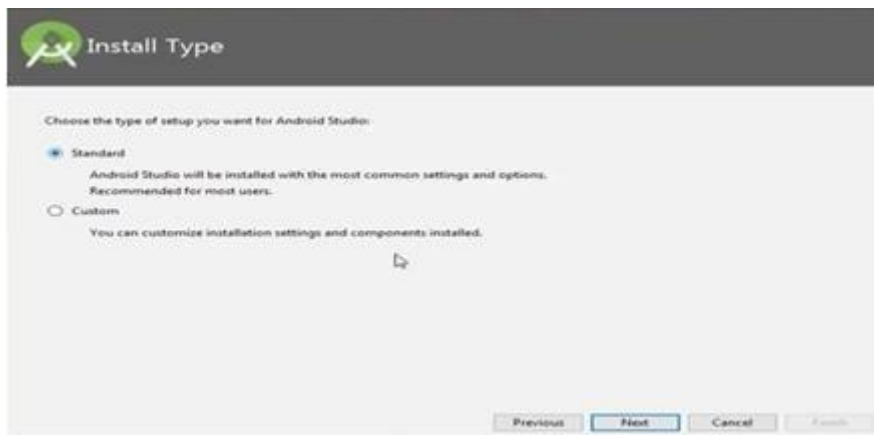
Meanwhile, it will be finding the available SDK components.



- VI. After it has found the SDK components, it will redirect to the Welcome dialog box.

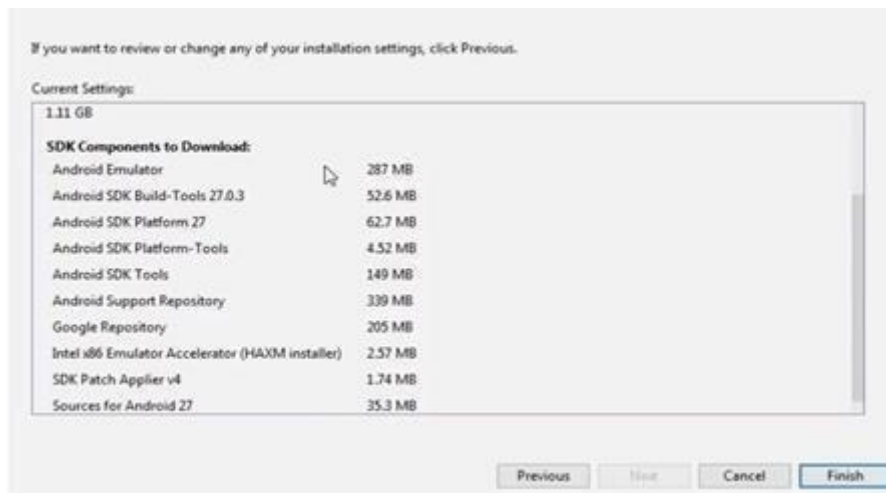


Click on **Next**.



Choose Standard and click on Next. Now choose the theme, whether the Light theme or the Dark one. The light one is called the IntelliJ theme whereas the darktheme is called Dracula. Choose as required.

VII. Now it is time to download the SDK components.



Click on Finish. Components begin to download let it complete.



The Android Studio has been successfully configured. Now it's time to launch and build apps. Click on the Finish button to launch it.

VIII. Click on Start a new Android Studio project to build a new app.

