DEPARTMENT OF COMPUTER ENGINEERING

PRACTICAL ASSESSMENT SHEET

Experiment number: - 03

Title of experiment: - ANDROID STUDIO INSTALLATION

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Roll number: - 68

Date of performance: -

Date of submission: -

Attendance 03 marks	Submission 03 marks	Performance 03 marks	Oral 03 marks	Result 03 marks	Total 15 marks

Faculty Signature with date

Practical No. 03

TITLE: ANDROID STUDIO INSTALLATION

AIM: TO STUDY INSTALLATION OF ANDROID STUDIO

THEORY:

Introduction:

The IntelliJ IDEA software from JetBrains serves as the foundation of Android Studio, the official IDE (Integrated Development Environment) for creating Android apps. In order to increase efficiency when developing Android apps, Android Studio offers a number of fantastic features, including:
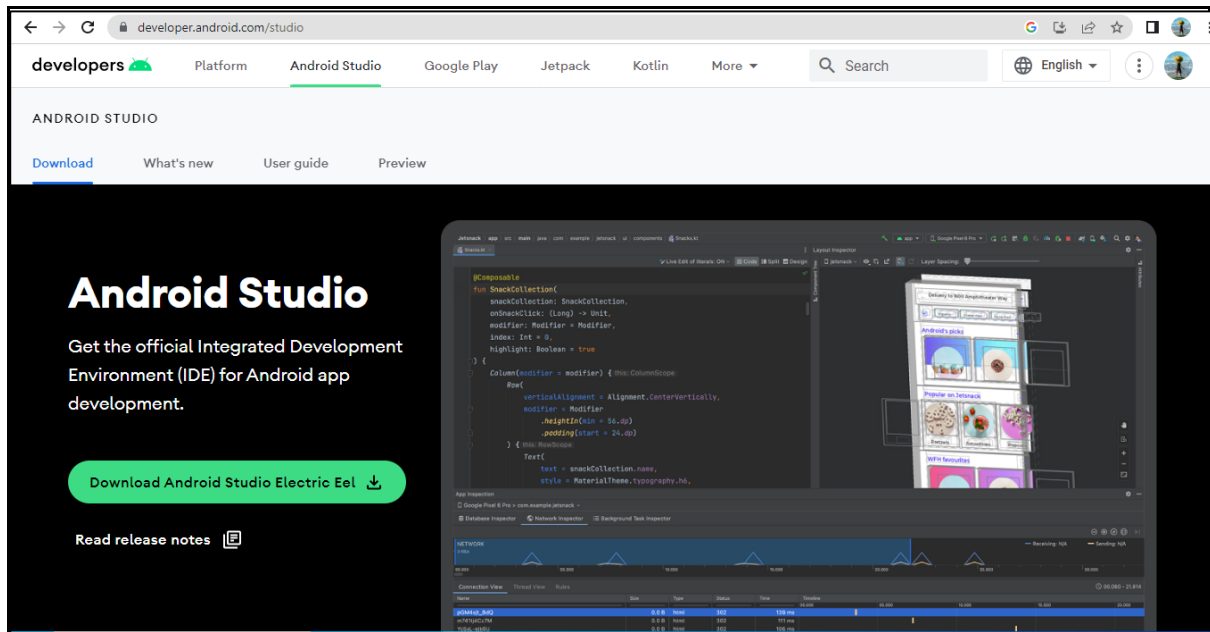
- A hybrid environment where Android device development is possible
- Apply Changes to push code and resource changes to the running app without restarting the app
- A flexible Gradle-based build system
- A fast and feature-rich emulator
- GitHub and Code template integration to assist you to develop common app features and import sample code
- Extensive testing tools and frameworks
- C++ and NDK support
- Built-in support for Google Cloud Platform, making it easy to integrate Google Cloud Messaging and App Engine, and many more
- Provides GUI tools that simplify the less interesting parts of app development
- Easy integration with real time database 'firebase'

System Requirements:

- Microsoft Windows 7/8/10 (32-bit or 64-bit)
- 4 GB RAM minimum, 8 GB RAM recommended (plus 1 GB for the Android Emulator)
- 2 GB of available disk space minimum, 4 GB recommended (500 MB for IDE plus 1.5 GB for Android SDK and emulator system image)
- 1280 x 800 minimum screen resolution

Steps in Installation:

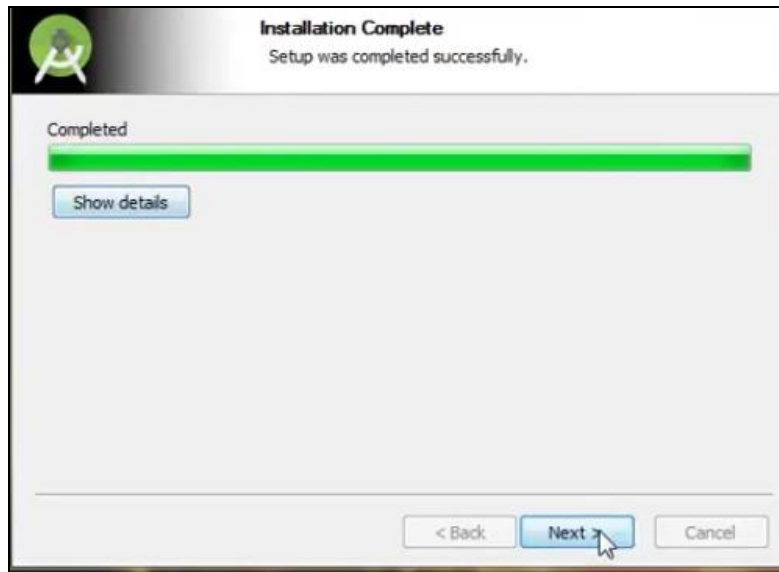**Step 1:** Download Android Studio from https://developer.android.com/studio

Step 2: 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.
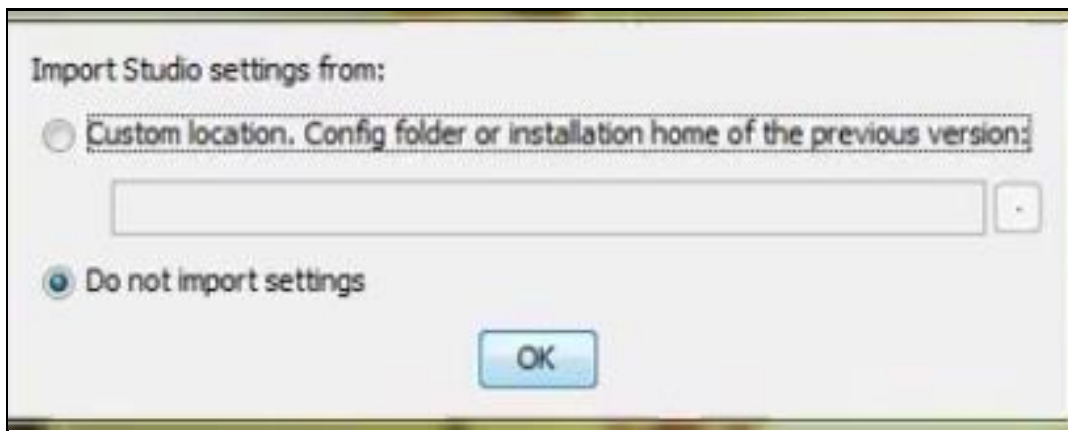
Step 3: It will start the installation, and once it is completed, it will be like the image shown below.

Click on next.

Step 4: 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'.
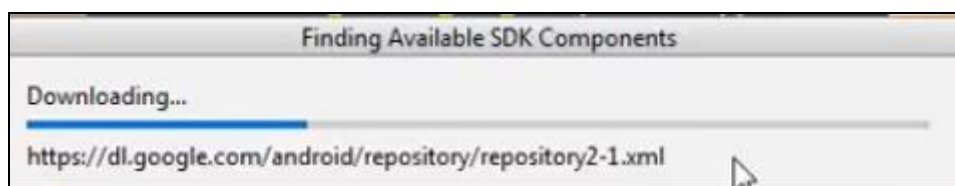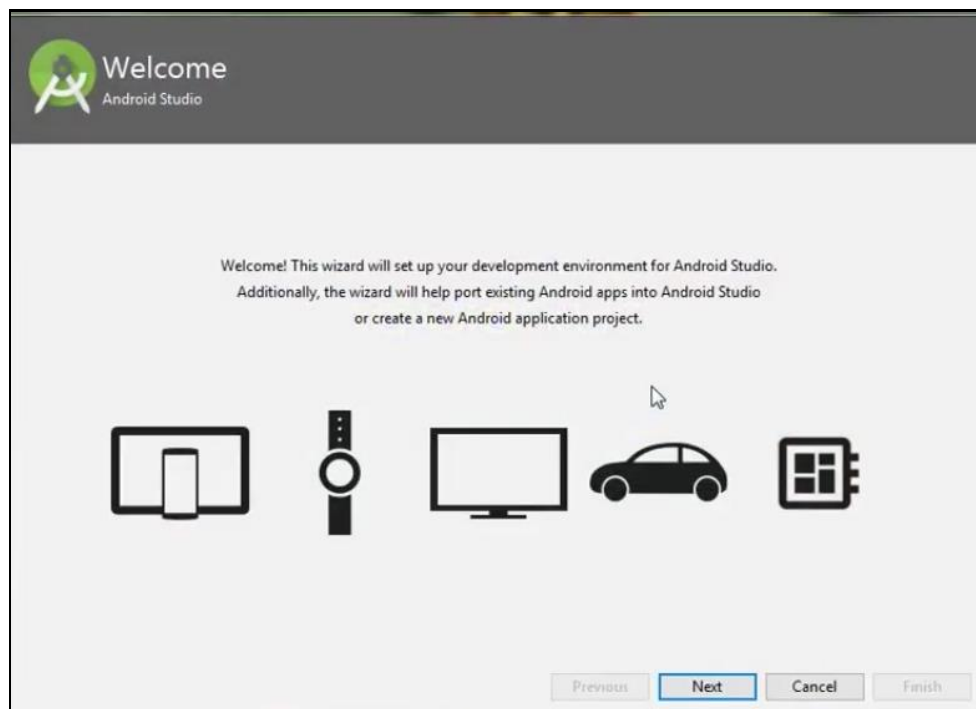

Click the OK button.
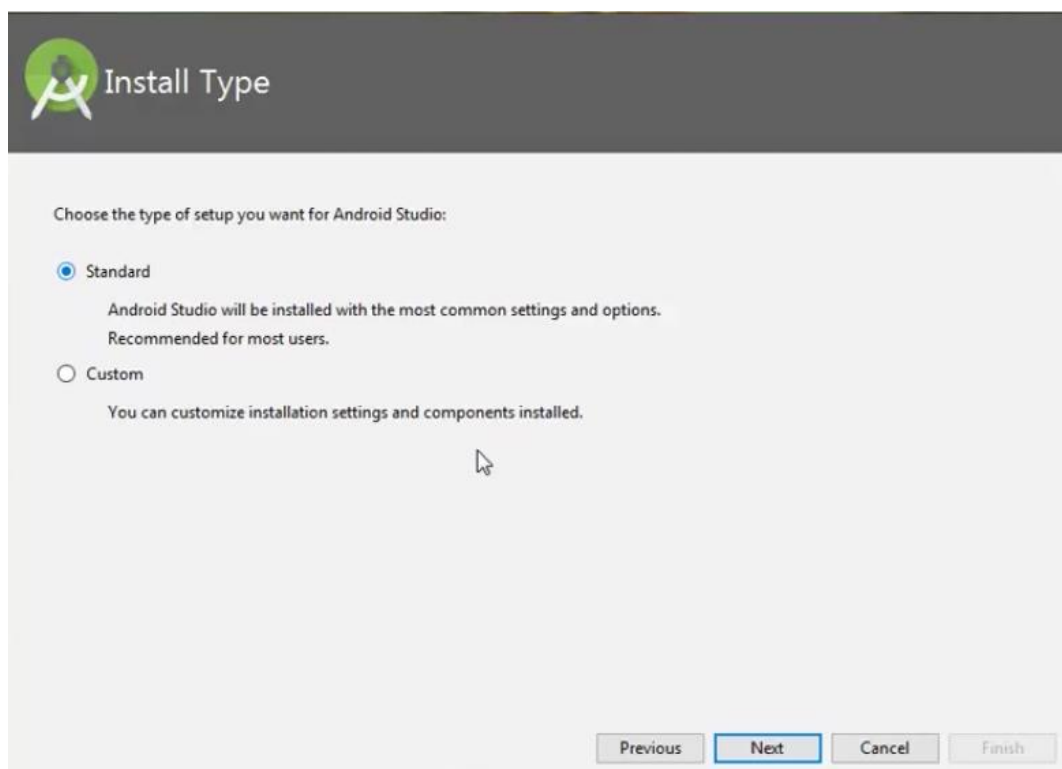
Step 5: This will start the Android Studio.

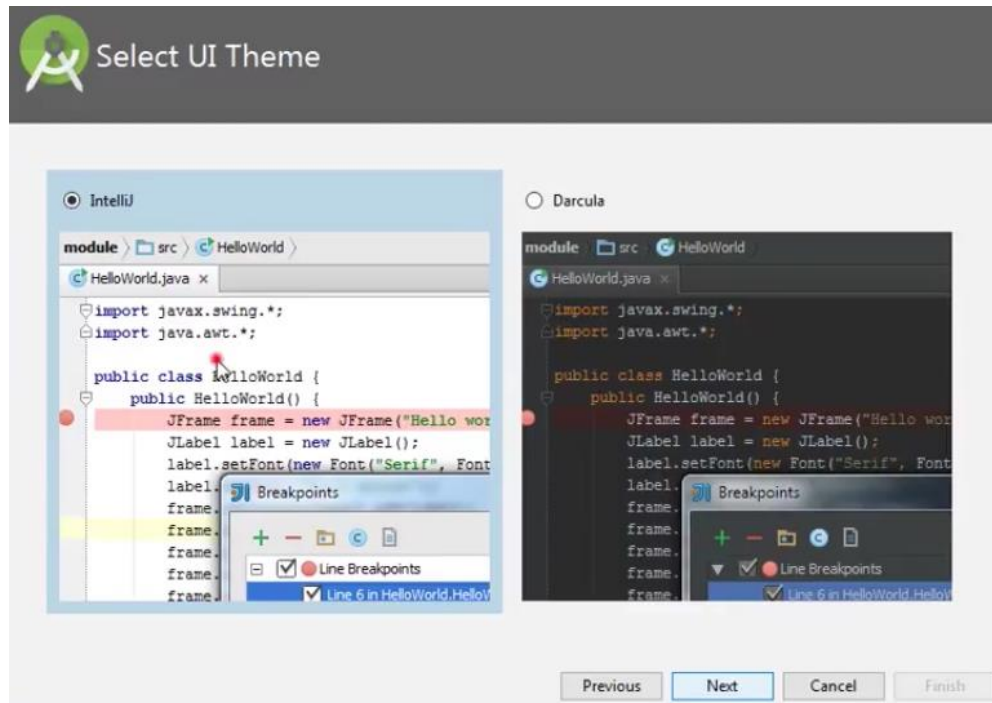Meanwhile, it will be finding the available SDK components.

Step 6: After it has found the SDK components, it will redirect to the Welcome dialog box.
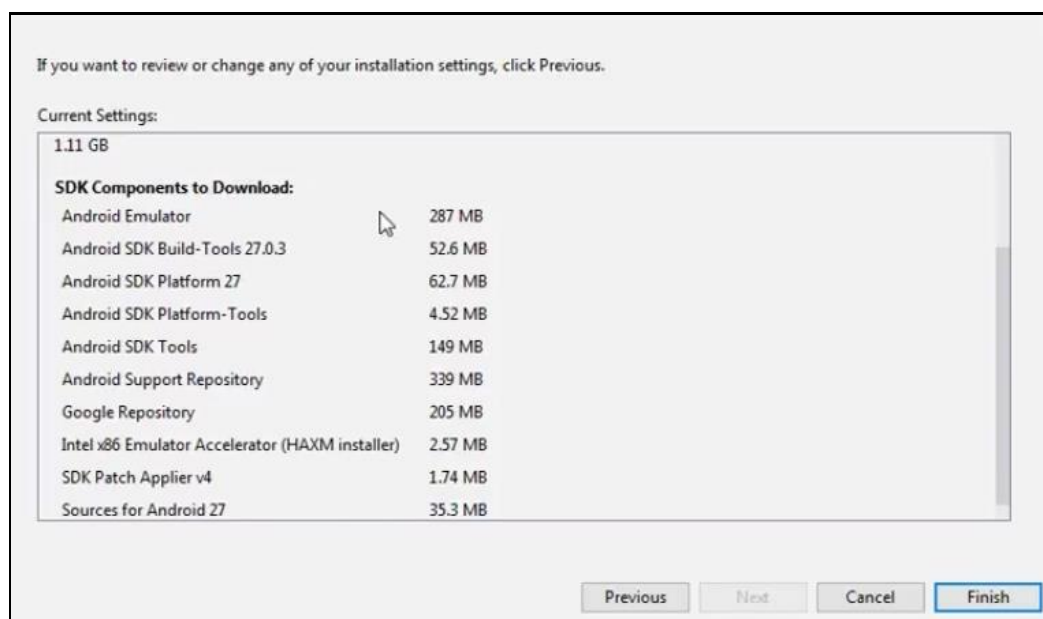

Click on Next.

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 dark theme is called Dracula. Choose as required.
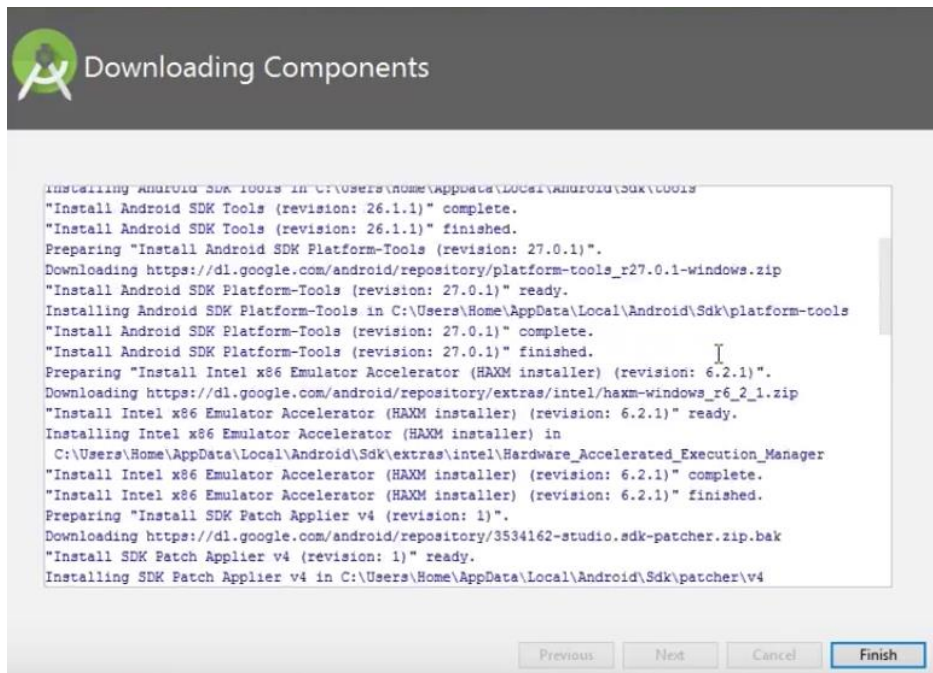

Click on the Next button.

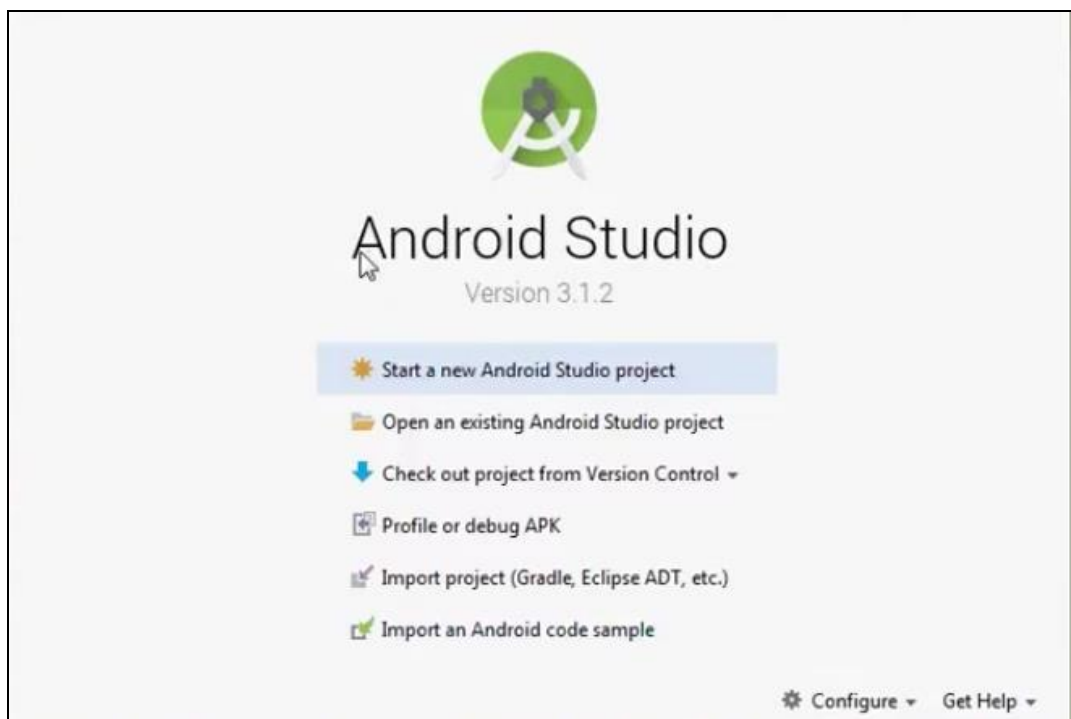**Step 7:** Now it is time to download the SDK components.

Click on Finish. Components begin to download and 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.

Step 8: Click on Start a new Android Studio project to build a new app.

Conclusion: Thus we implemented the installation of android studio.