

Assignment NO1

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Title: Android development environment, Installing & setting up environment

Problem Statement: Android development Installing & setting up environment Hello world application Running the emulation Inserting debug messages

Objective:

1. Install & use Android IDE
2. Understand development process for building Android apps.
3. Execute Create Android project from basic App template

Objectives :-

1. Install & use the Android IDE
2. Understand development process for building Android apps.
3. Create an Android project from an basic App template.

Theory :-Android Studio :-

- It is google's IDE for Android apps. Android studio give you advanced code edition & set of app templates.
- To get up & running with Android studio: you may need to install Java Development Kit - Java 7 or better, Install Android Studio.

Installing Android Studio & Running Hello World Program:-



1. Navigate to Android developers site & follow instructions install & download android studio.
  - Accept default configuration for all steps.
  - Make sure that all components are selected for installation.
2. After finishing, the install setup wizard will download & install.  
Some Additional Components :-
3. when download completes, Android studio will start & you are ready to create your first project.
4. Click on start New Project.
5. In the new project window, give your application a name such as "Hello World".
6. Verify project location & directory.
7. Click AVD Manager & select suitable virtual device such as Nexus 5.
8. Click as Run to install application "Hello World" on your virtual device.

Using Emulator to run app virtual Device

Creating Virtual Device -

1. In order to run emulator on your computer, you have to create configuration that describes virtual device.
2. In Android Studio, select Tools > Android > AVD Manager or click AVD Manager icon in toolbar.
3. Click create virtual device.
4. Choose Nexus 5 Hardware device & click next.
5. On system image screen, from recommended tab, choose which version of Android system to run.



on the Virtual Device. You can select system image.

6. Verify your configuration.

7. Click on finish

Adding log statement to your app:-

1. Click Android Monitor button at the bottom of Android Studio to open the Android Monitor.
2. The default log level is verbose. In the drop-down menu, change log level to Debug.

Conclusion :-

In this assignment, we have learnt -

How to install android studio as ubuntu,  
how to run a basic Hello World Program as  
an emulator.