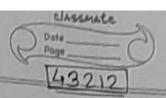# Assignment No. 1

Title : Android developement environment, Installing & setting up the environment.

Problem statement :-

Android developement environment installing & setting up environment. Hello world application running the emulation Inserting debug messages.

Objectives :-

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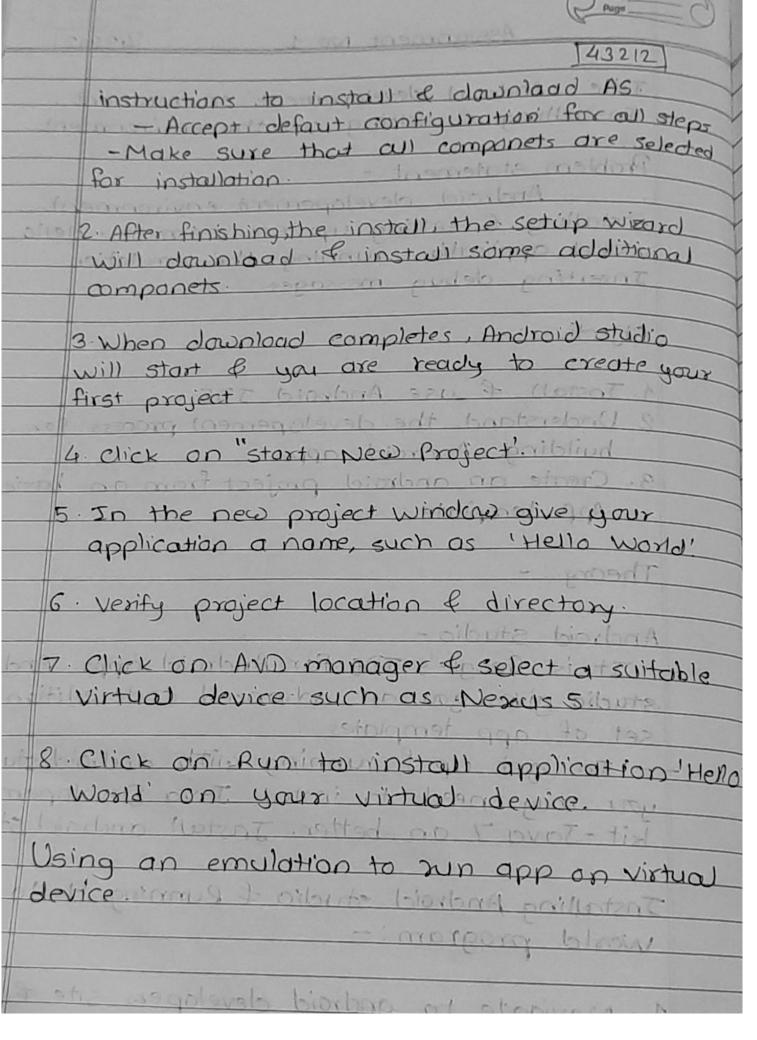3. Create an android project from an basic App template.

Theory : -

Android studio -

— It is Google's IDE for Android apps. Android studio gives you an advanced code edition & set of app templates

— To get up & running with android studio. you may need to install Java Developement kit - Java 7 on better. Install android studio

Installing Android studio & Running Hello World program :-

1. Navigate to android developers site & follow

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instructions to install & download AS.
 — Accept defaut configuration for all steps
 — Make sure that all componets are selected
for installation.

2. After finishing, the install, the setup wizard
will download & install some additional
componets.

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 on AVD manager & select a suitable
virtual device such as Nexus 5.

8. Click on Run to install application 'Hello
World' on your virtual device.

Using an emulation to run app on virtual
device.

creating a virtual device -

1] In order to run an emulator on your computer, you have to create a configuration that describes the virtual device.

2] In Android studio, select Tools > Android > AVD Manager or click AVD manager icon in toolbar.

3] Click the +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 virtual service. You can select the latest system image.

6] Verify your configuration.

7] Click on finish

Adding log statements to your app -

1] Click 'Android Monitor' button at bottom of android studio to open android monitor.

2] The default log level is verbose In the drop-down menu, change the log level to debug.

conclusion -

In this assignment, we have learnt =
How to install android studio on
Ubuntu, how to run basic hello-world
program on an emulator.