



# INSTRUCTIONS MANUAL

Headphone Hamster Android App

Environment Setup

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## INSTALLATION OF SOFTWARES TO BUILD ENVIRONMENT

- Node Install
- Cordova Install
- Java Install
- Android Studio

## INSTALLATION SOFTWARE'S VERSIONS

- nodejs v9.8.0
- npm v5.6.0
- cordova v8.0.0
- java v1.8.0\_161

## 1. Node Install

### 1.1. Terminal Command

Open the terminal command or press (ctrl+shift+t)

### 1.2. Description

WRITE THESE COMMANDS:

```
sudo apt-get install python-software-properties
```

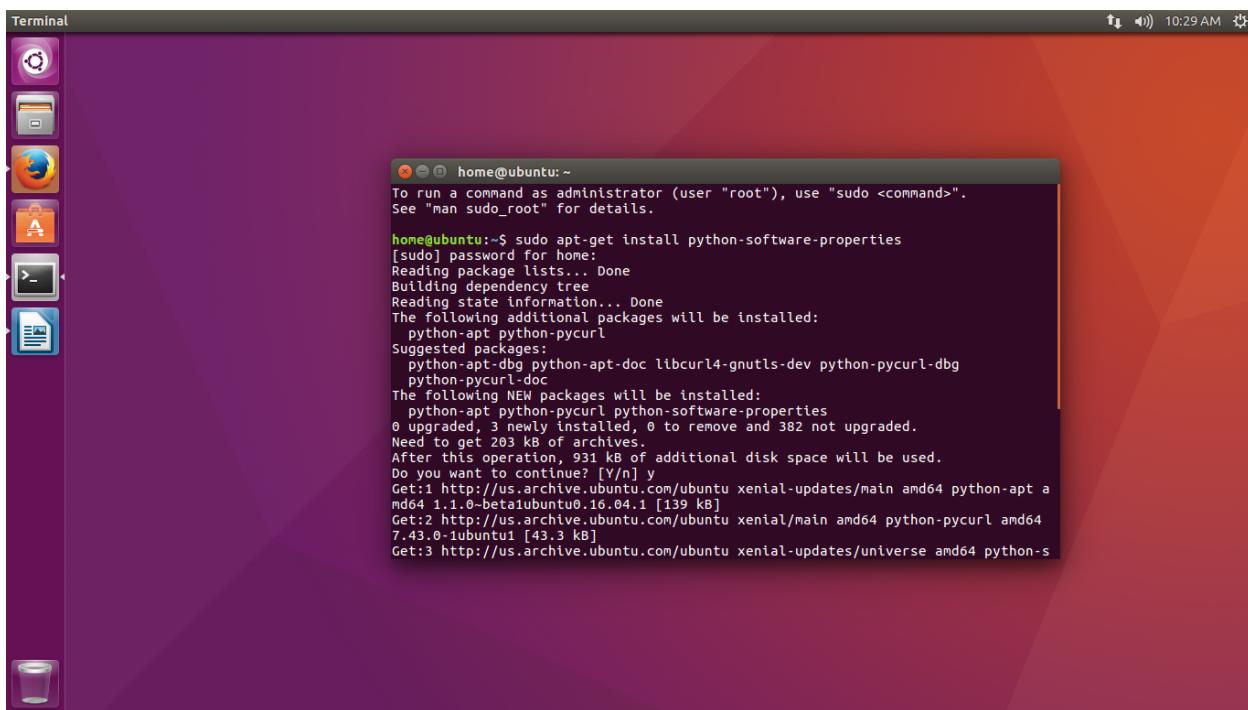
```
curl -sL https://deb.nodesource.com/setup_9.x | sudo -E bash -
```

```
sudo apt-get install nodejs
```

### 1.3. Link

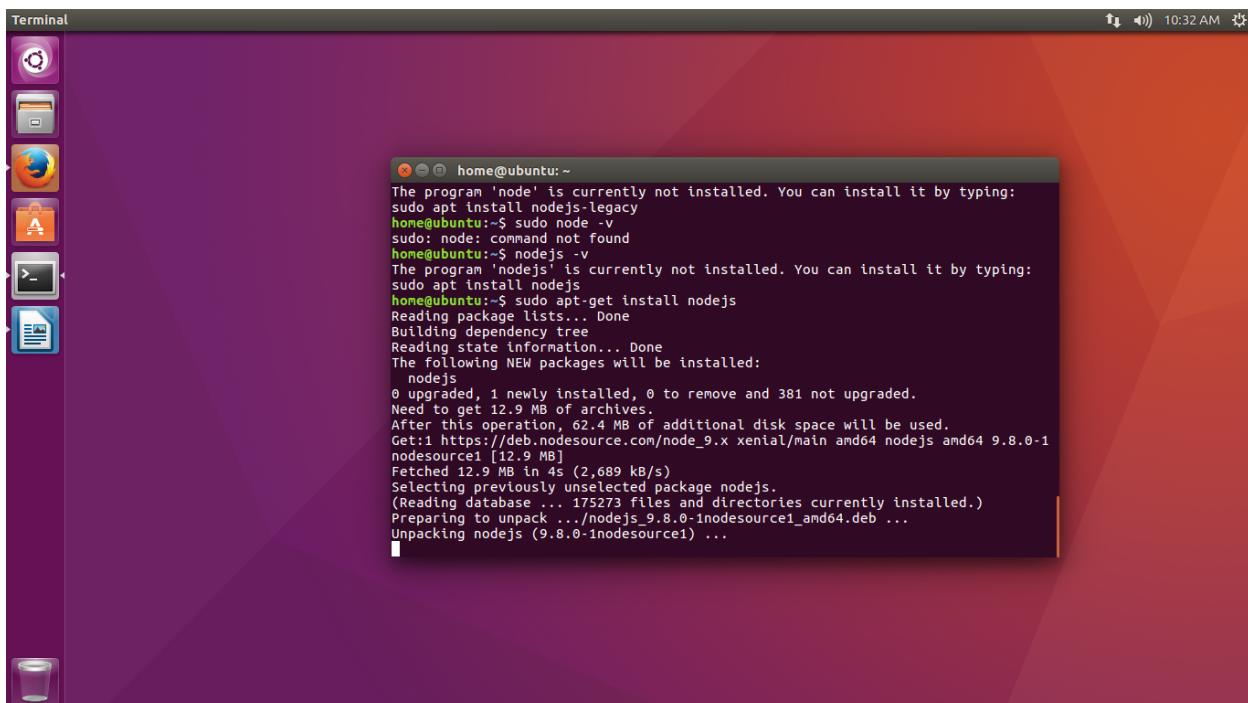
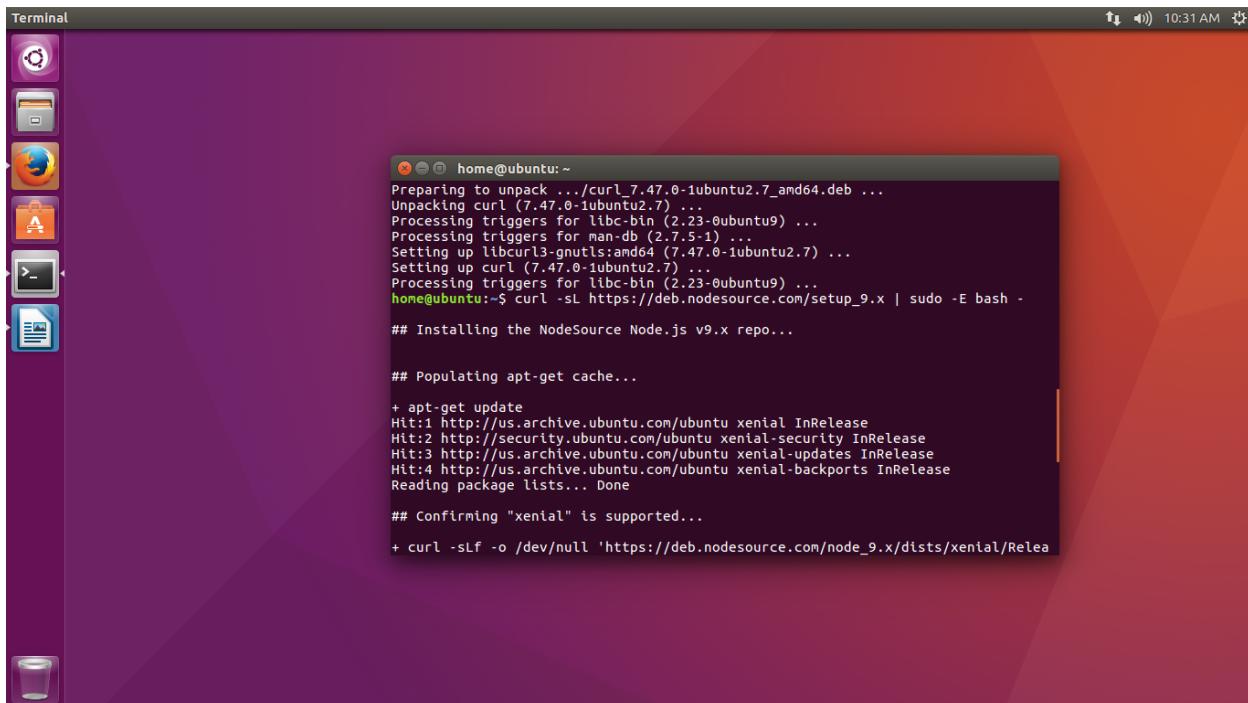
YOU CAN FIND THESE COMMANDS ON THESE LINKS:

<https://tecatmin.net/install-latest-nodejs-npm-on-ubuntu/#>



The screenshot shows a Linux desktop environment with a purple and red gradient background. A terminal window is open in the foreground, displaying the output of a package installation command. The terminal window title is "Terminal". The command run was "sudo apt-get install python-software-properties". The output shows the package being installed along with its dependencies, including python-apt, python-pycurl, and their documentation files. The terminal window has a dark theme and is located on the left side of the screen, overlapping a window with a light blue header.

```
home@ubuntu:~$ sudo apt-get install python-software-properties
[sudo] password for home:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  python-apt python-pycurl
Suggested packages:
  python-apt-dbg python-apt-doc libcurl4-gnutls-dev python-pycurl-dbg
  python-pycurl-doc
The following NEW packages will be installed:
  python-apt python-pycurl python-software-properties
0 upgraded, 3 newly installed, 0 to remove and 382 not upgraded.
Need to get 203 kB of archives.
After this operation, 931 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu xenial-updates/main amd64 python-apt all 0.9.4.1.0-beta1ubuntu0.16.04.1 [139 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu xenial/main amd64 python-pycurl amd64 7.43.0-1ubuntu1 [43.3 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu xenial-updates/universe amd64 python-
```



## 2. Cordova Install

### 2.1. Terminal Command

Open the terminal command or press (ctrl+shift+t)

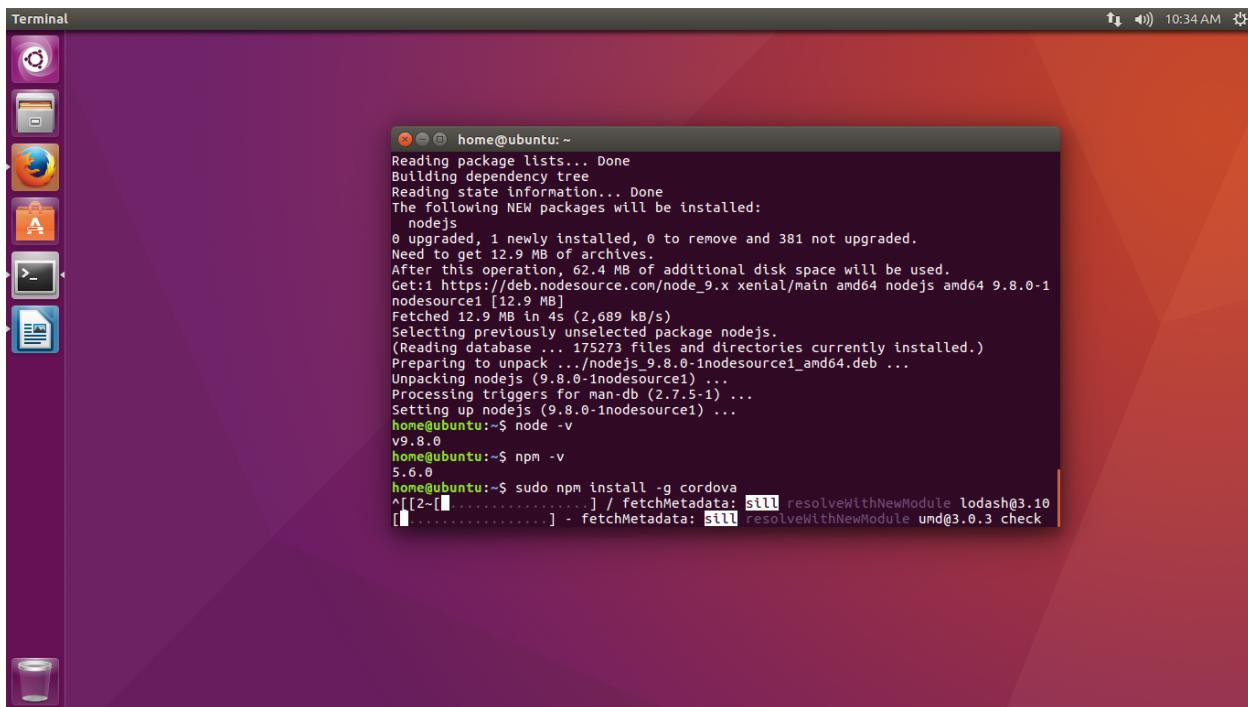
### 2.2. Description

sudo npm install -g cordova

### 2.3. Link

YOU CAN FIND THESE COMMANDS ON THESE LINKS

<https://cordova.apache.org/docs/en/latest/guide/cli/index.html>



The screenshot shows a terminal window on a Linux desktop. The desktop has a purple and orange gradient background with various icons in the dock. The terminal window title is "Terminal". The command being run is:

```
home@ubuntu:~$ sudo npm install -g cordova
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  nodejs
0 upgraded, 1 newly installed, 0 to remove and 381 not upgraded.
Need to get 12.9 MB of archives.
After this operation, 62.4 MB of additional disk space will be used.
Get:1 https://deb.nodesource.com/node_9.x xenial/main amd64 nodejs amd64 9.8.0-1
nodesource1 [12.9 MB]
Fetched 12.9 MB in 4s (2,689 kB/s)
Selecting previously unselected package nodejs.
(Reading database ... 175273 files and directories currently installed.)
Preparing to unpack .../nodejs_9.8.0-1nodesource1_amd64.deb ...
Unpacking nodejs (9.8.0-1nodesource1) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up nodejs (9.8.0-1nodesource1) ...
home@ubuntu:~$ node -v
v9.8.0
home@ubuntu:~$ npm -v
5.6.0
home@ubuntu:~$ sudo npm install -g cordova
^[[2~[.....] / fetchMetadata: sill resolveWithNewModule lodash@3.10
[.....] - fetchMetadata: sill resolveWithNewModule umd@3.0.3 check
```

### 3. Java Install

#### 3.1. Terminal Command

Open the terminal command or press (ctrl+shift+t)

#### 3.2. Description

```
sudo add-apt-repository ppa:webupd8team/jav
```

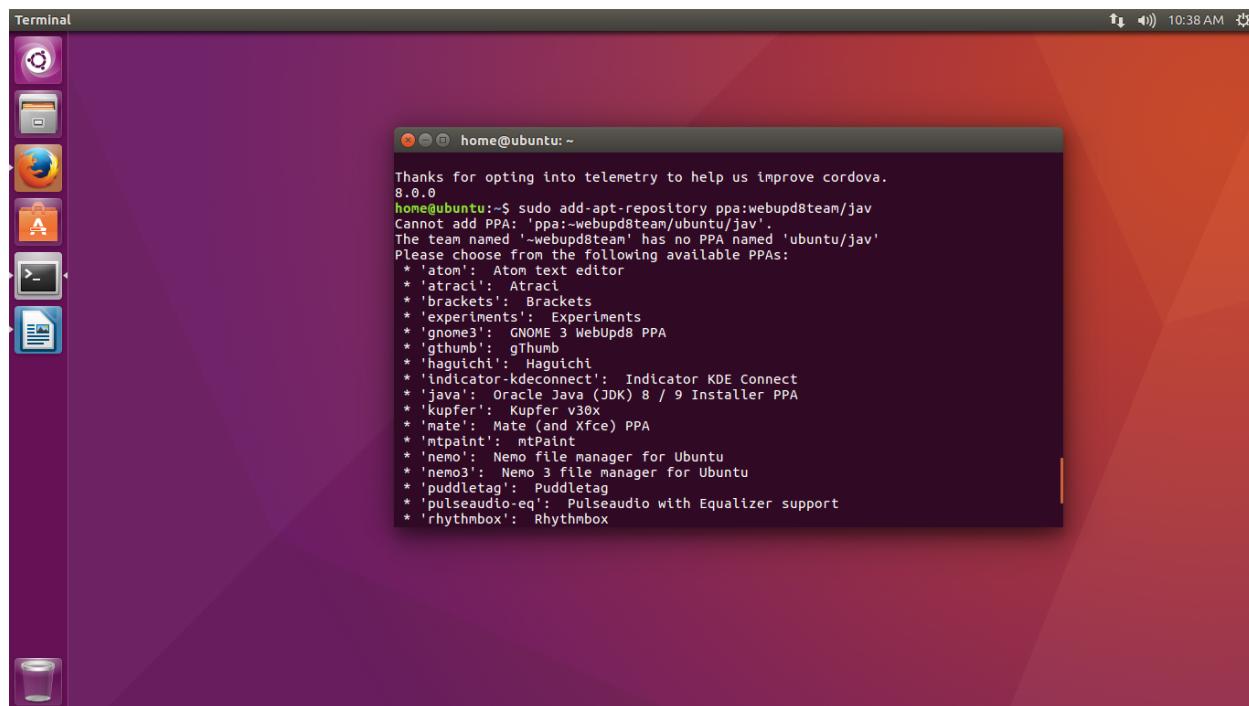
```
sudo apt-get update
```

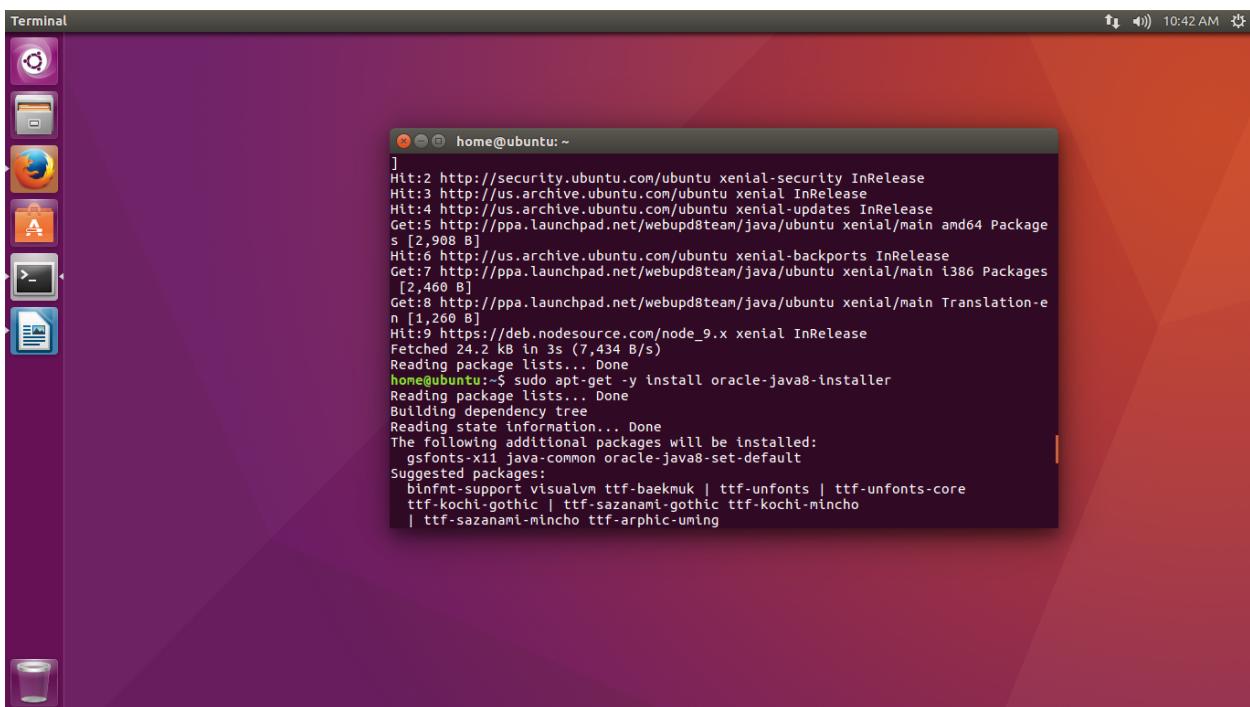
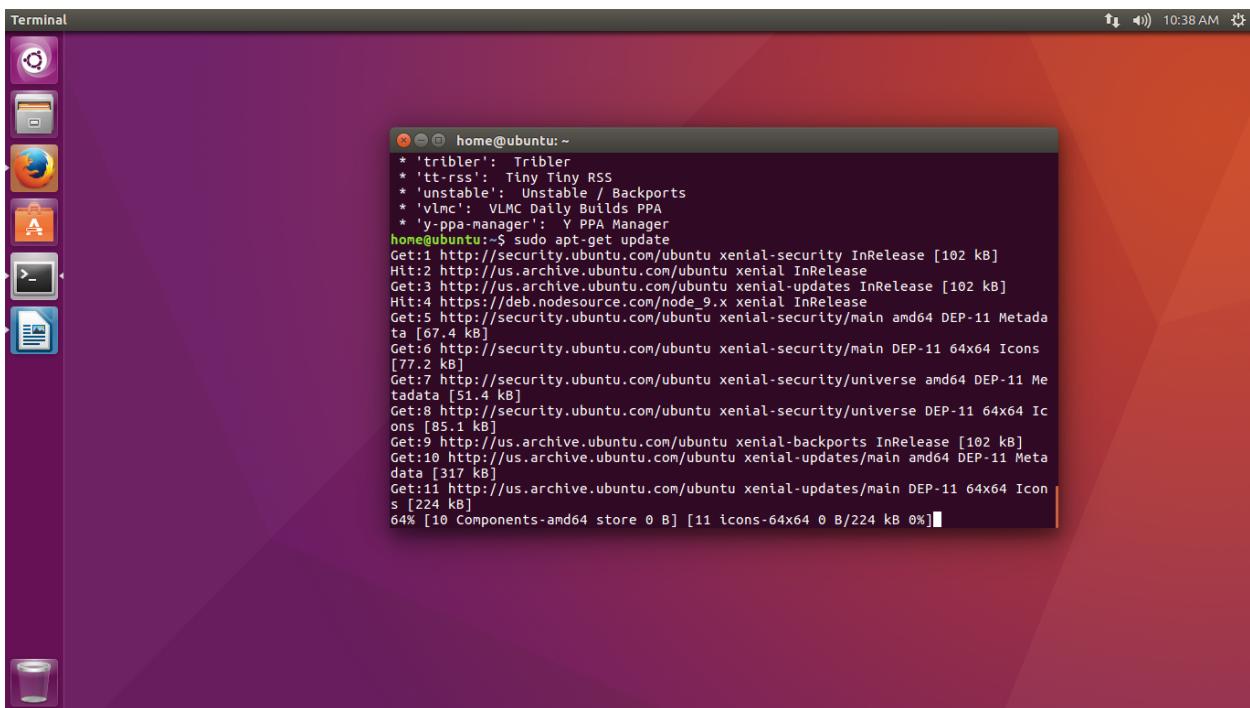
```
sudo apt-get -y install oracle-java8-installer
```

#### 3.3. Link

YOU CAN FIND THESE COMMANDS ON THESE LINKS

<https://www.itzgeek.com/how-tos/linux/ubuntu-how-tos/install-java-jdk-8-on-ubuntu-14-10-linux-mint-17-1.html>





### 3.4. Path Setting

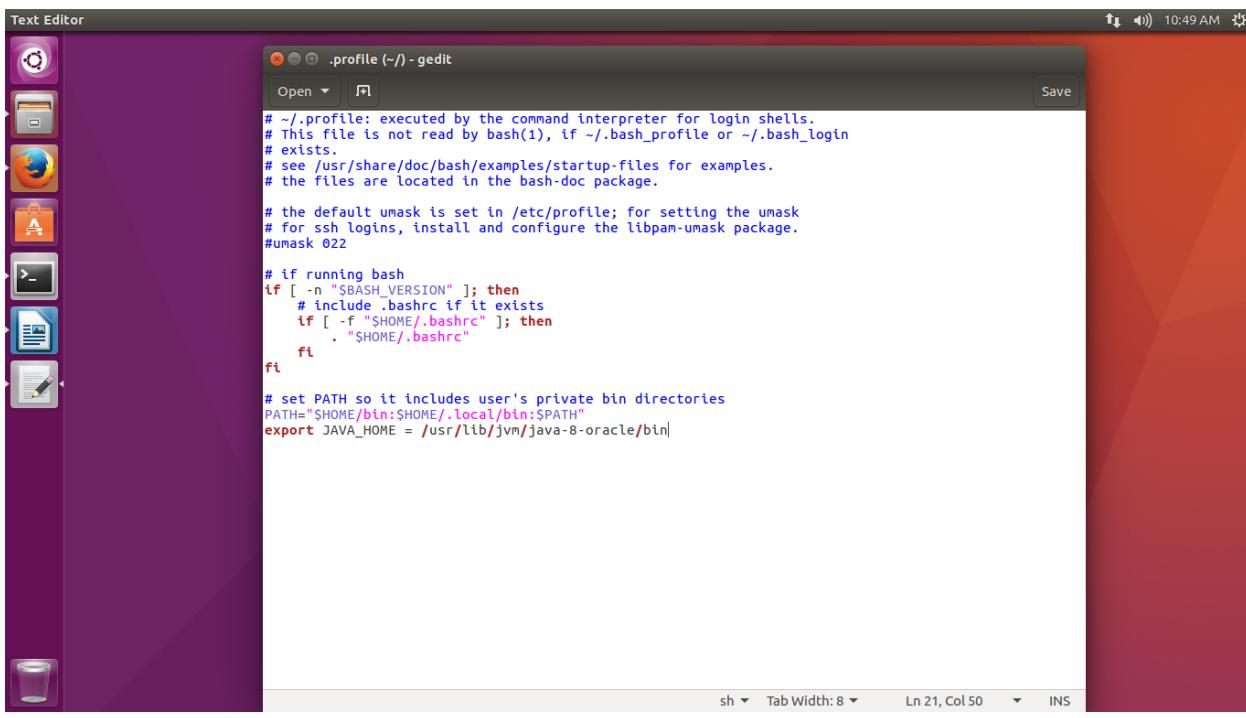
(usr/lib/jvm/) go to this path and select the java folder inside this path and save the path where this folder exists and set the path in following command

Gedit ~/.bas-----hrc

Popup will appear

And write the path of the folder of java

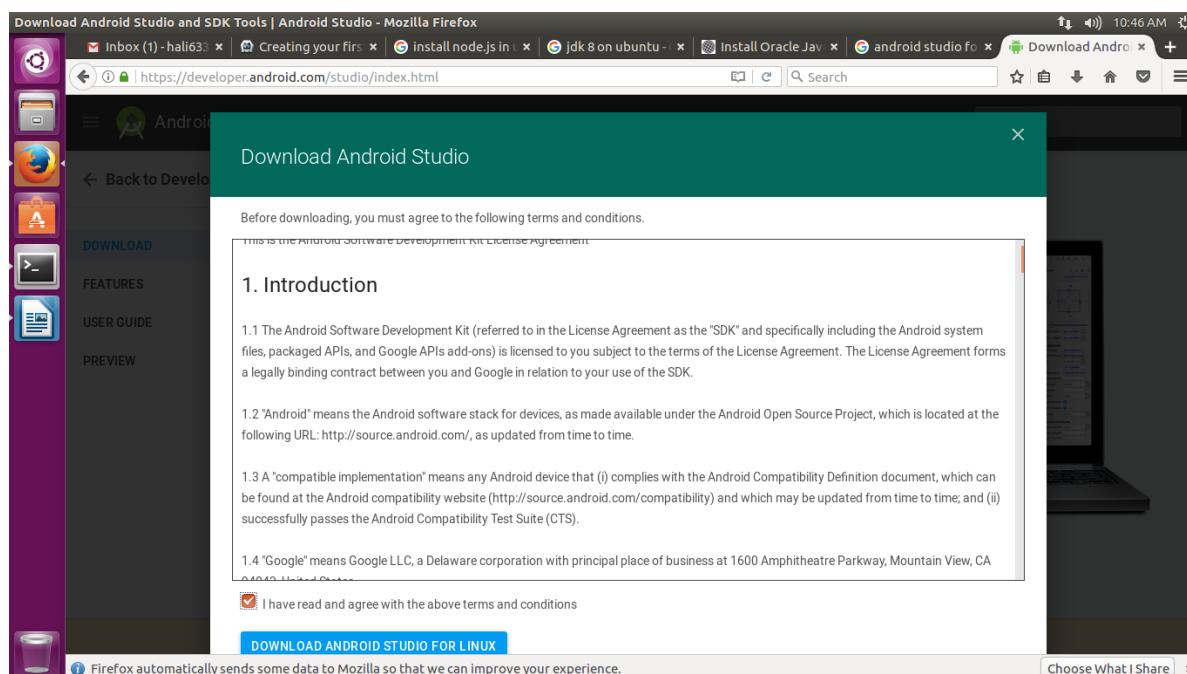
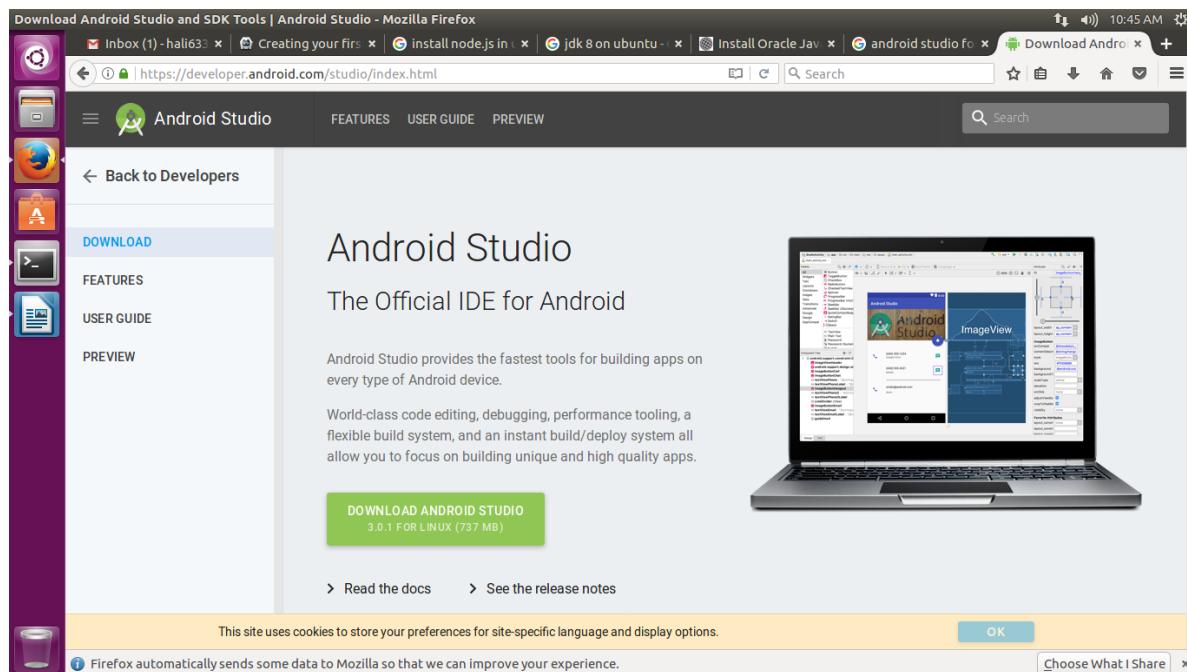
```
export JAVA_HOME=/usr/lib/jvm/java-8-oracle
```



## 4. Android Install

### 4.1. Download

Download the file and extract it



## 4.2. Terminal Command

Open the terminal command or press (ctrl+shift+t)

## 4.3. Description

After opening the terminal

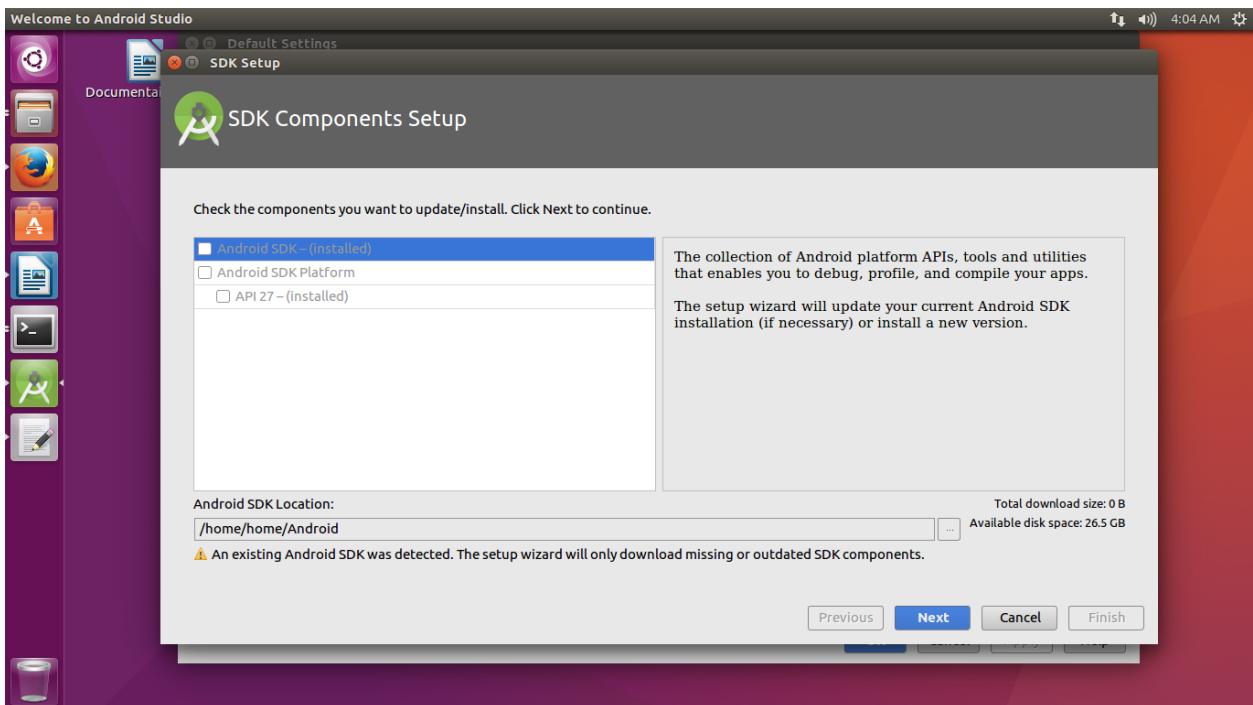
cd Downloads/android\ studio/ bin/

after hit this type

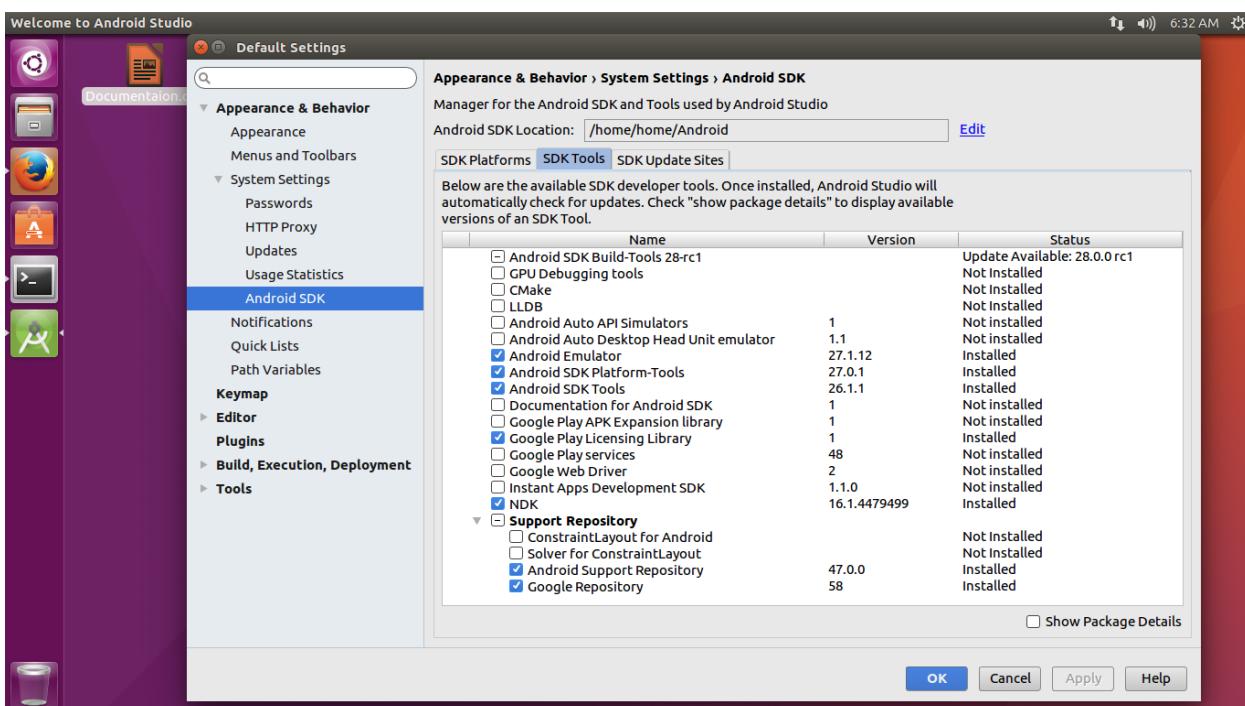
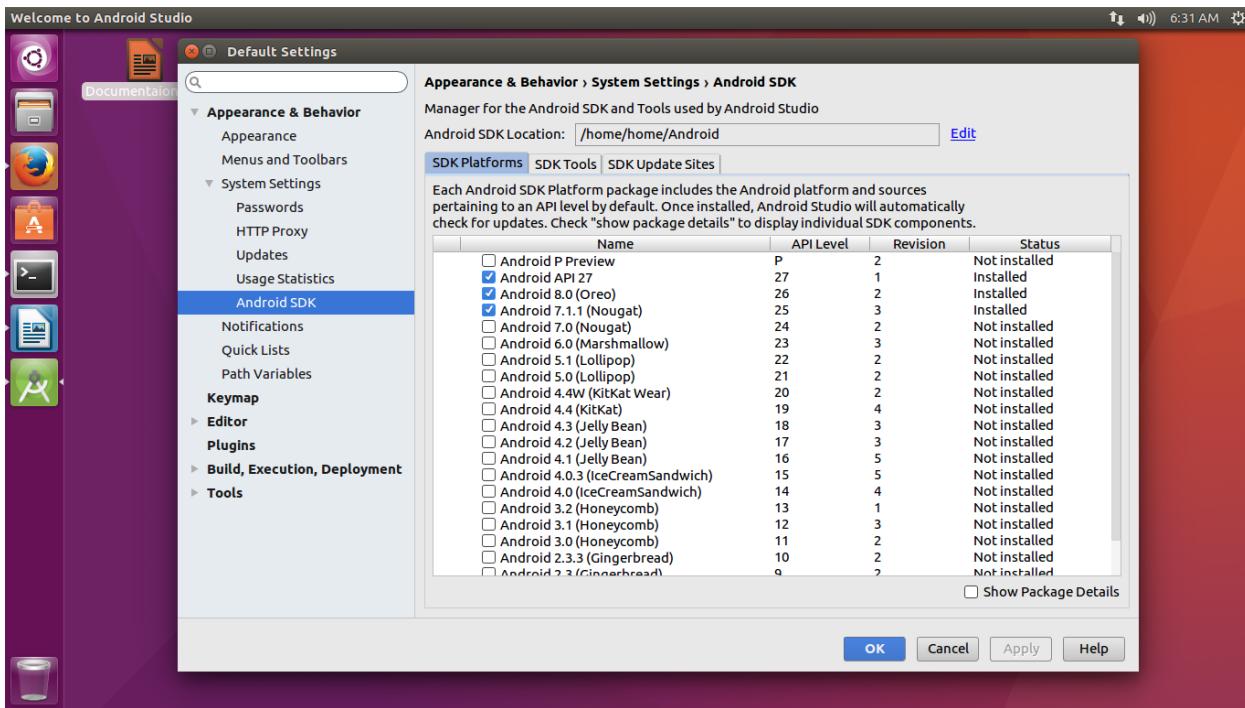
sudo ./studio.sh

After that android studio run

Select the edit option for desire path and click next



After Complete installation of tools select the SDK Platforms and tools



#### 4.4. Set the SDK Path

Like that

```
export PATH=$PATH:/home/home/Android/tools  
export PATH=$PATH:/home/home/Android/platform-tools
```

it's important for building project  
and then type this on terminal  
/home/home/Android/Sdk/tools/bin  
then  
sudo ./sdkmanager --licenses  
and type "y" for yes

after that you should add a gradle path

```
export PATH=$PATH:/home/home/Downloads/android-studio/gradle/gradle-4.1/bin  
you don't need to add external gradle for install you should use android inside gradle folder.
```

### 5. Environment Variable Path

```
export PATH=$PATH:/home/home/Downloads/android-studio/bin  
export JAVA_HOME=/usr/lib/jvm/java-8-oracle  
export ANDROID_HOME=/home/home/Android  
export PATH=$PATH:/home/home/Android/tools  
export PATH=$PATH:/home/home/Android/platform-tools  
export PATH=$PATH:/home/home/Downloads/android-studio/gradle/gradle-4.1/bin
```

### 6. Error

While install node error occur curl not install  
path not set.  
If not set path

### 7. Solution

run this sudo apt install curl  
while setting the path there should be no space between the path  
set manual in android path value

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## 8. Cordova Application Icon

sudo npm install cordova-icon -g

### 8.1. Link

<https://www.npmjs.com/package/cordova-icon>

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## 9. Cordova Application Splash

sudo npm install cordova-splash -g

### 9.1. Link

<https://github.com/AlexDisler/cordova-splash>