



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
```

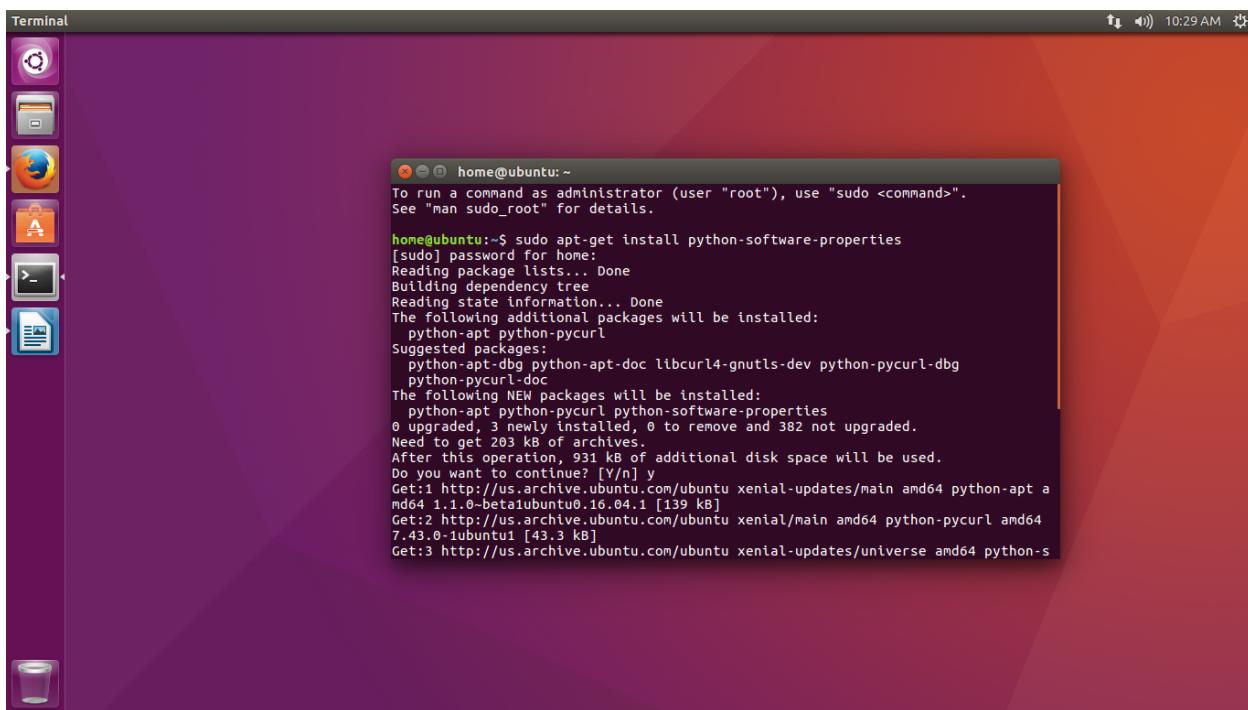
```
curl -sL https://deb.nodesource.com/setup_9.x | sudo -E bash -
```

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

1.3. Link

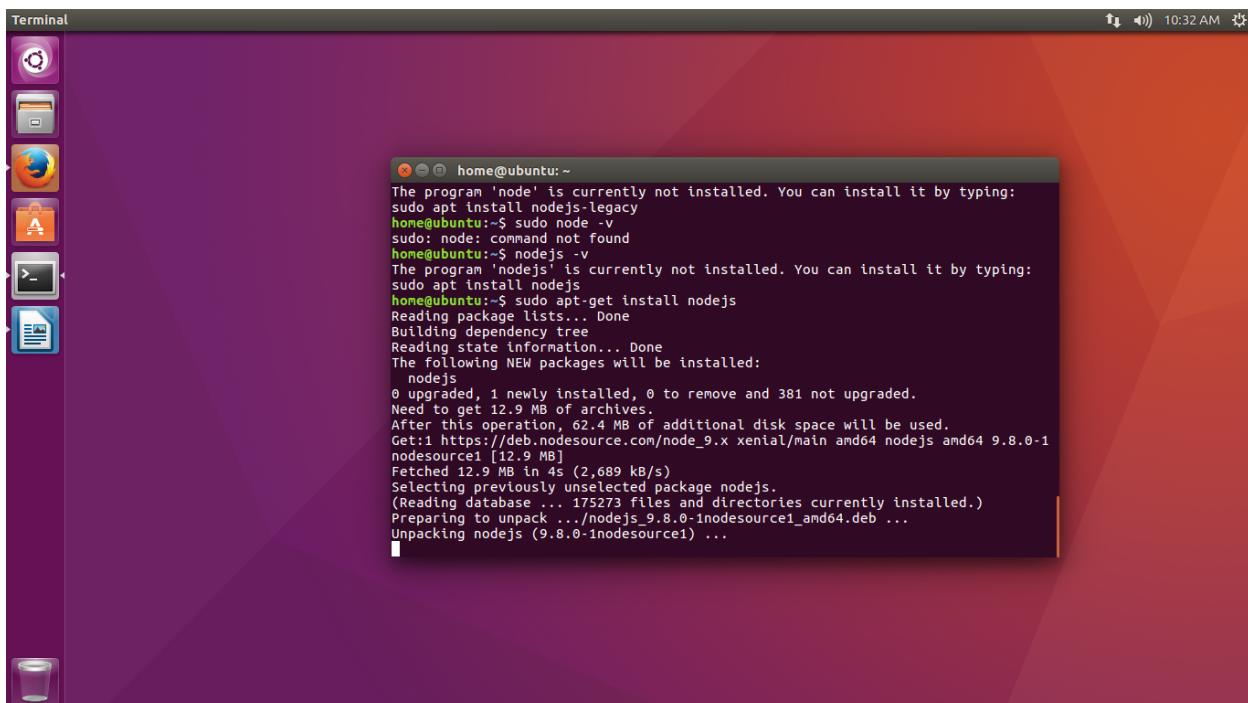
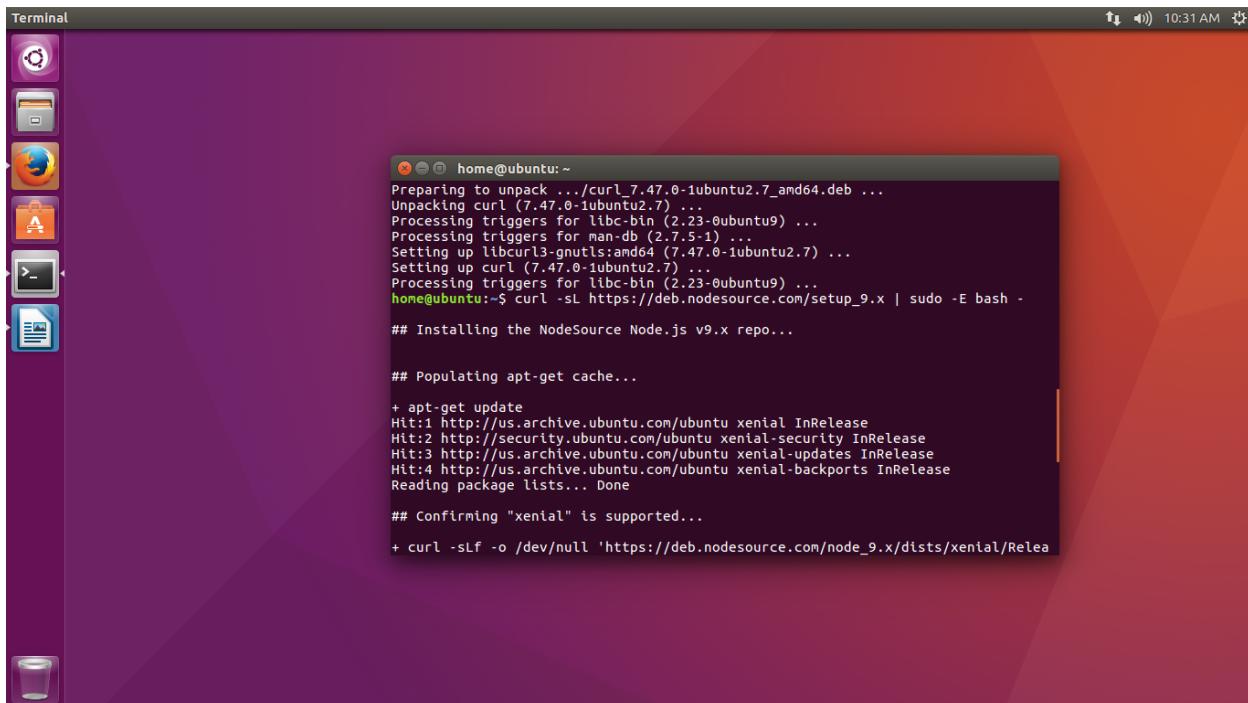
YOU CAN FIND THESE COMMANDS ON THESE LINKS:

<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 with white text and a light gray border. The desktop environment includes a dock with icons for file manager, browser, and terminal, and a taskbar at the top.

```
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 amd64 1.1.0-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)

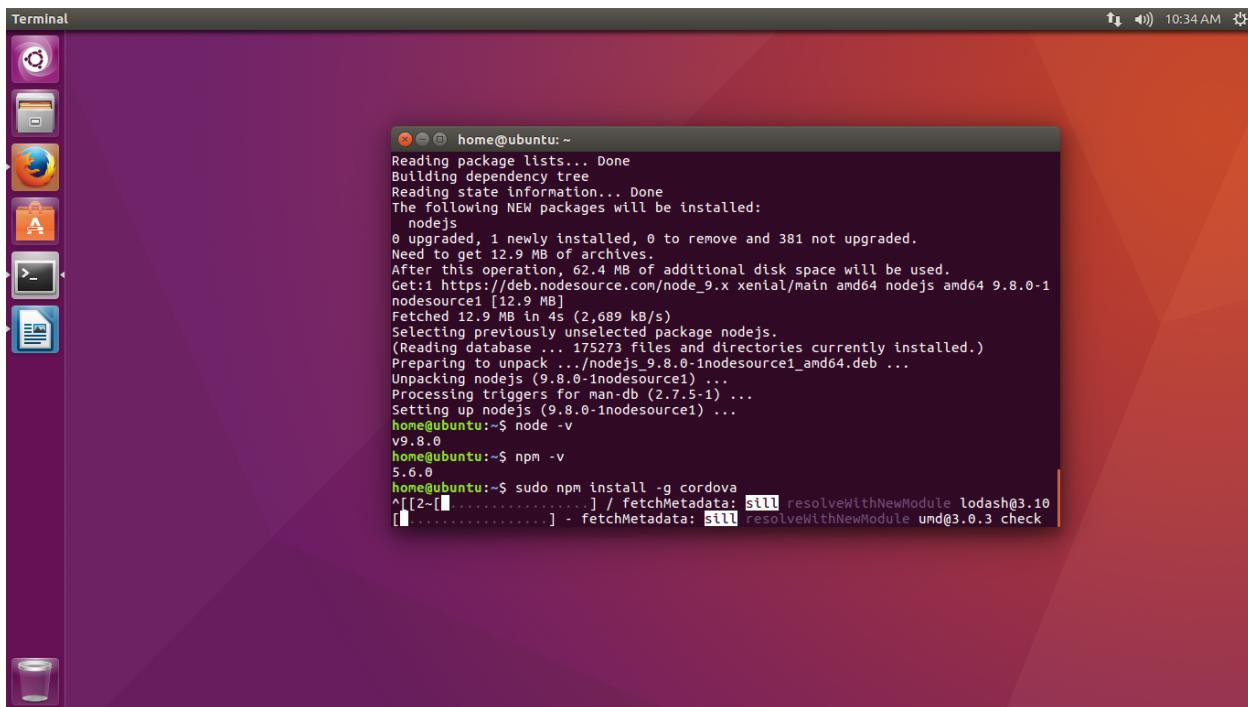
2.2. Description

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 Ubuntu desktop. The terminal output is as follows:

```
Terminal
home@ubuntu: ~
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
```

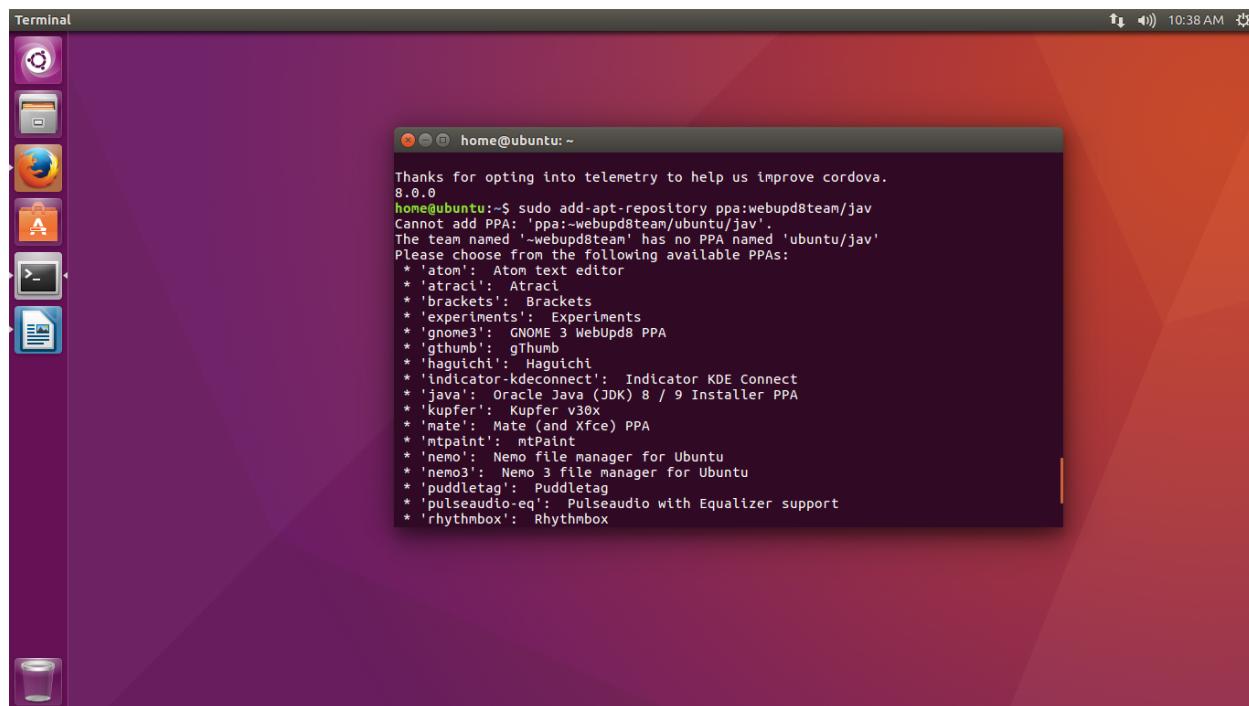
```
sudo apt-get update
```

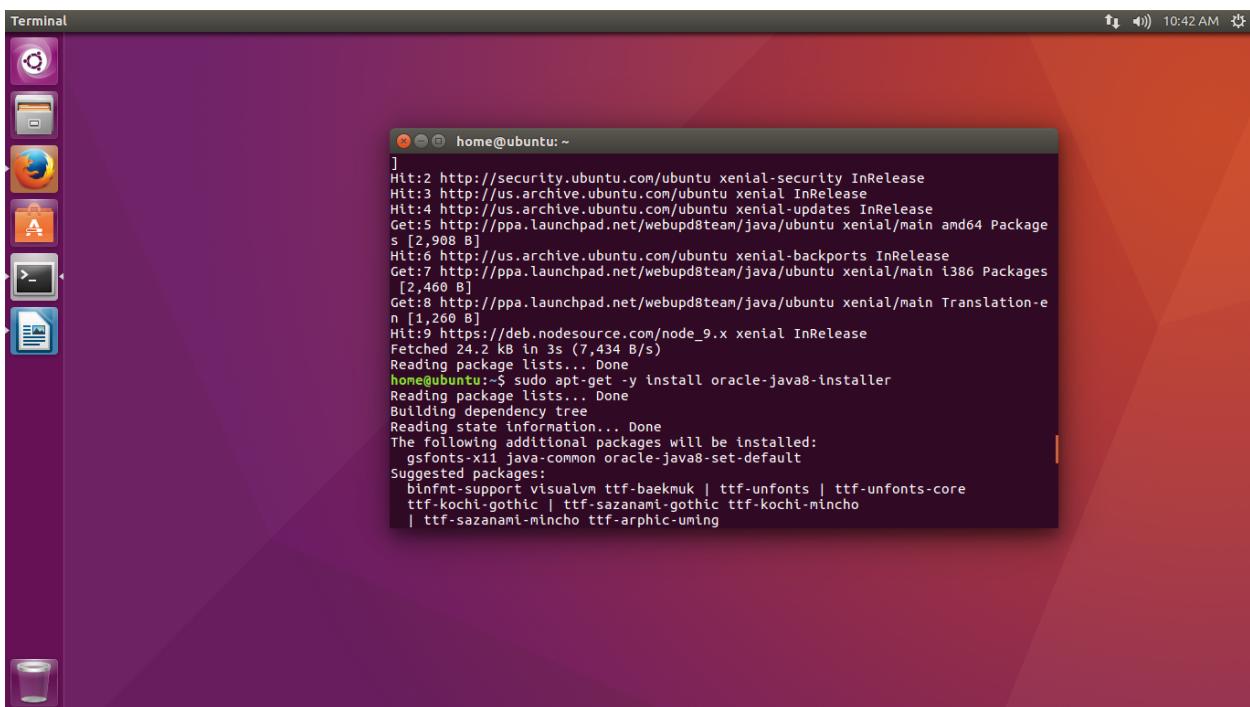
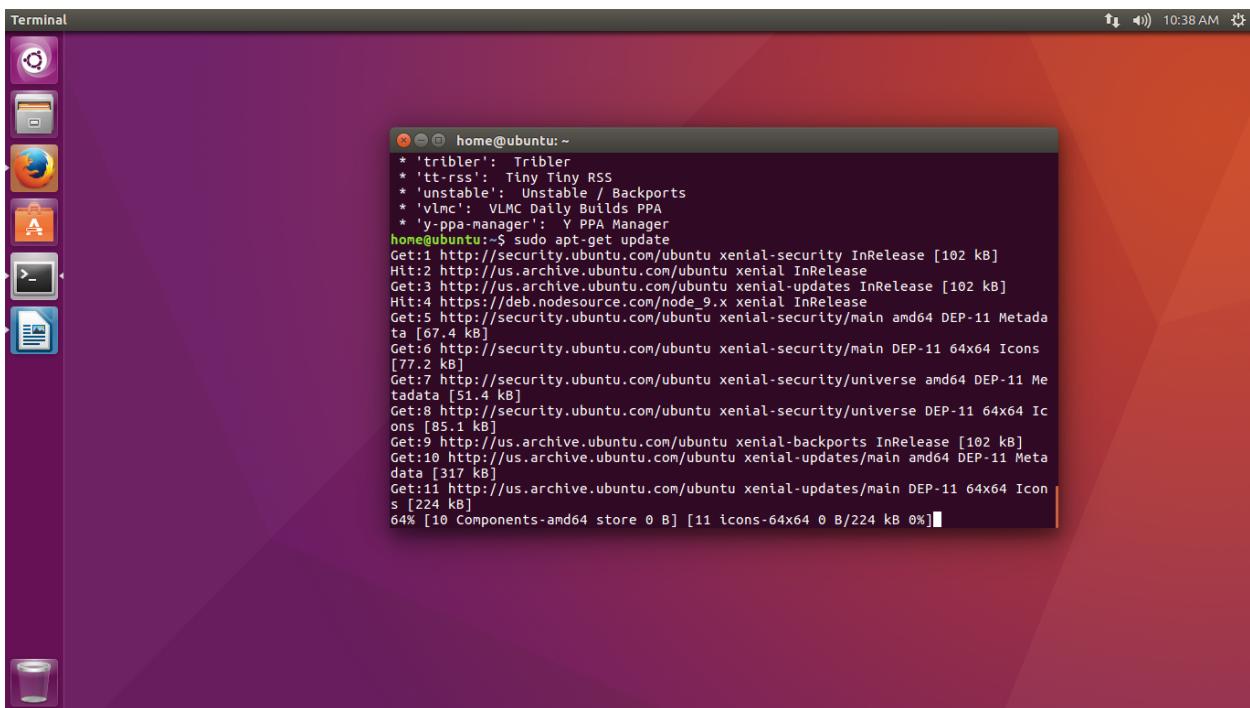
```
sudo apt-get -y install oracle-java8-installer
```

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

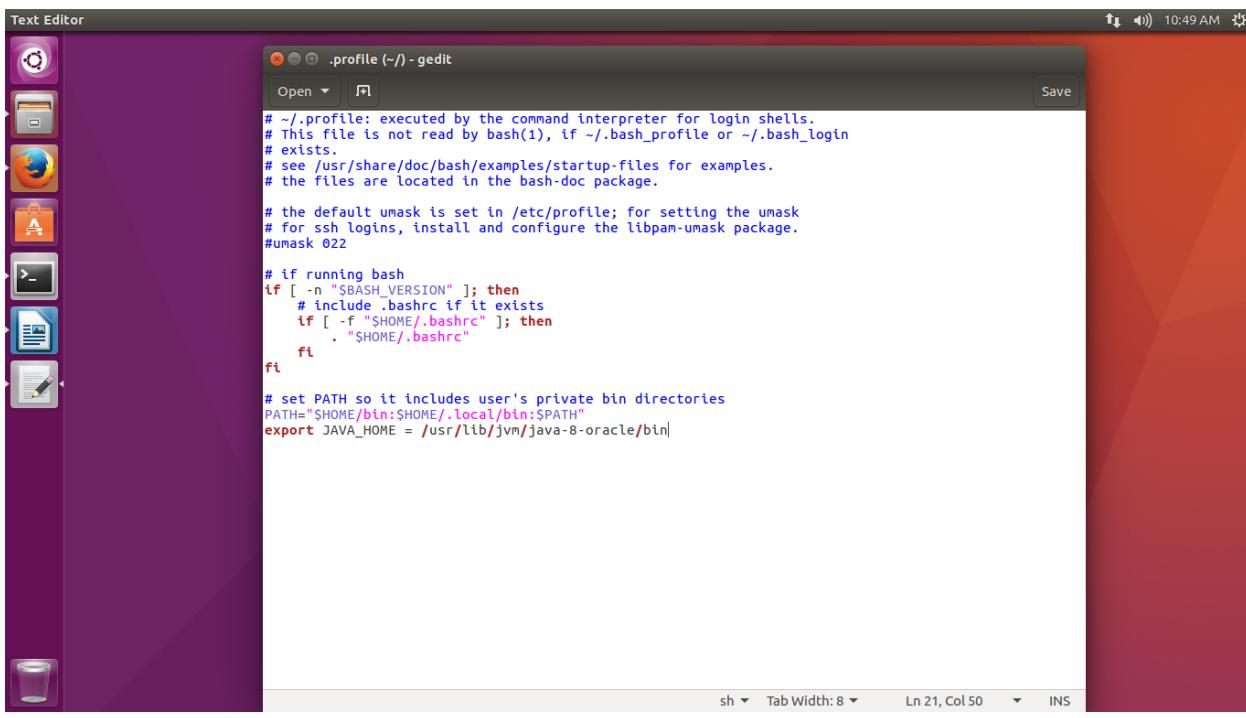
(usr/lib/jvm/) go to this path and select the java folder inside this path and save the path where this folder exists and set the path in following command

Gedit ~/.bas-----hrc

Popup will appear

And write the path of the folder of java

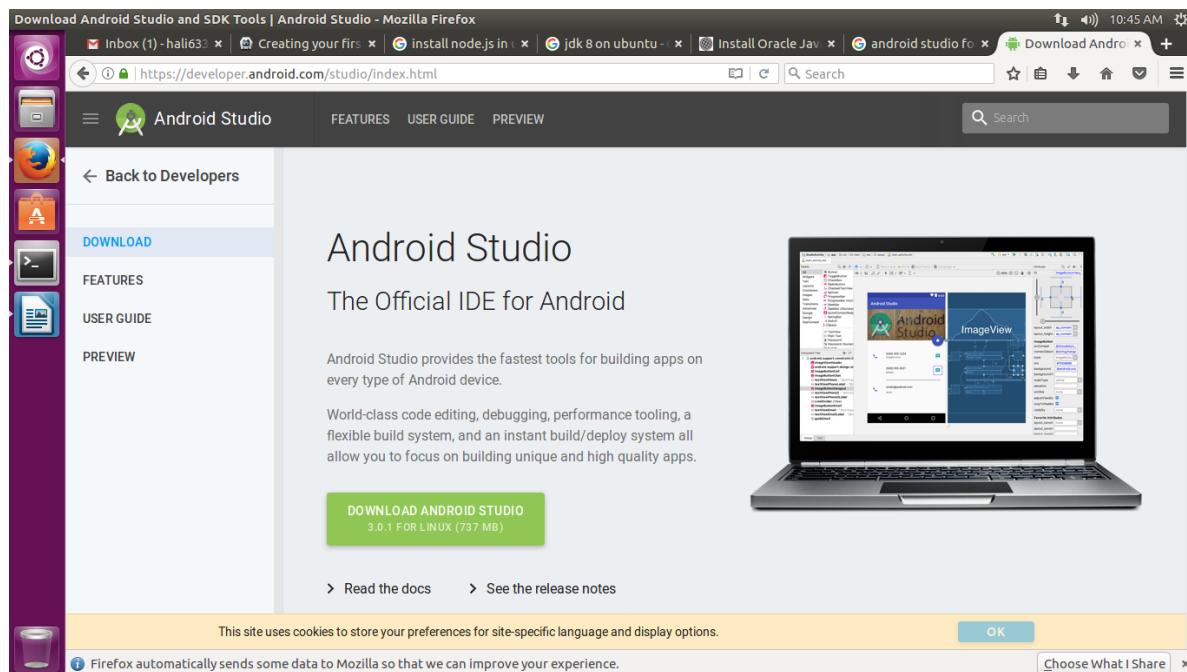
```
export JAVA_HOME=/usr/lib/jvm/java-8-oracle
```



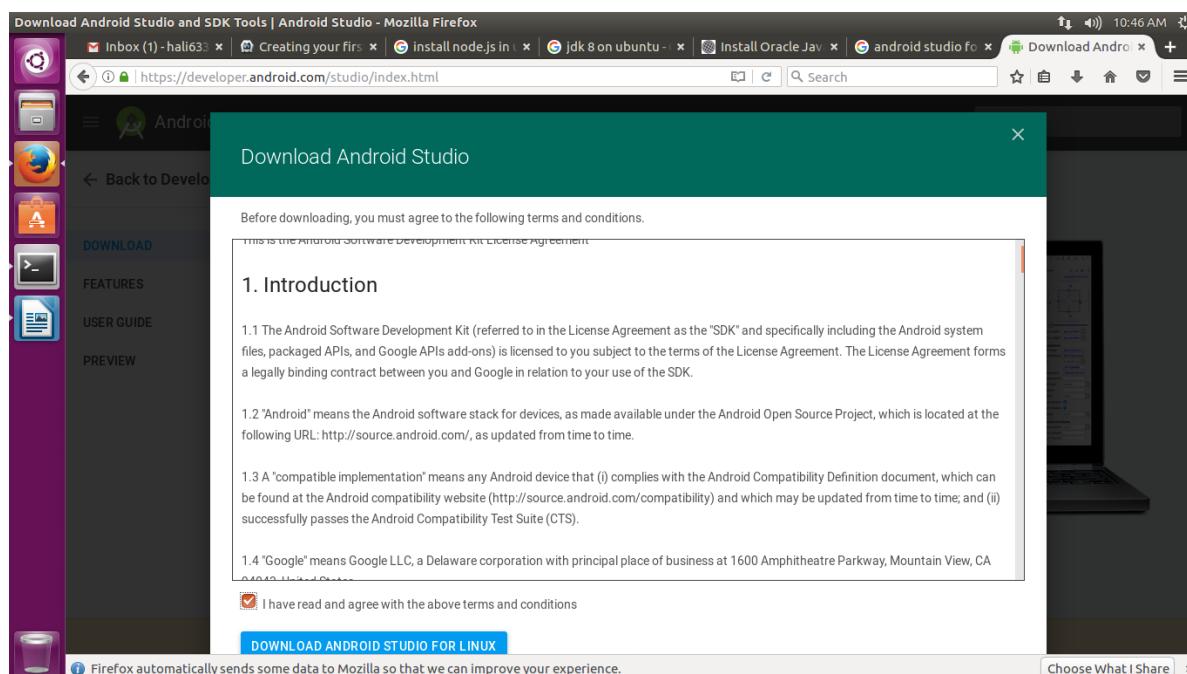
4. Android Install

4.1. Download

Download the file and extract it



The screenshot shows the official Android Studio download page. The URL in the address bar is <https://developer.android.com/studio/index.html>. The page features a sidebar with links for 'Android Studio', 'FEATURES', 'USER GUIDE', and 'PREVIEW'. The main content area is titled 'Android Studio' and 'The Official IDE for Android'. It highlights that Android Studio provides the fastest tools for building apps on every type of Android device. A green button labeled 'DOWNLOAD ANDROID STUDIO 3.0.1 FOR LINUX (737 MB)' is prominently displayed. Below the button, there are links to 'Read the docs' and 'See the release notes'. A note at the bottom states: 'This site uses cookies to store your preferences for site-specific language and display options.' An 'OK' button is shown above a message about Firefox sending data to Mozilla.



The screenshot shows the 'Download Android Studio' dialog box. The title bar says 'Download Android Studio'. Inside, it says 'Before downloading, you must agree to the following terms and conditions.' A link 'THIS IS THE ANDROID SOFTWARE DEVELOPMENT KIT LICENSE AGREEMENT' is provided. The '1. Introduction' section is visible, containing text about the Android Software Development Kit, the definition of 'Android', and the meaning of 'compatible implementation'. A checkbox labeled 'I have read and agree with the above terms and conditions' is checked. At the bottom of the dialog is a blue button labeled 'DOWNLOAD ANDROID STUDIO FOR LINUX'.

4.2. Terminal Command

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

4.3. Description

After opening the terminal

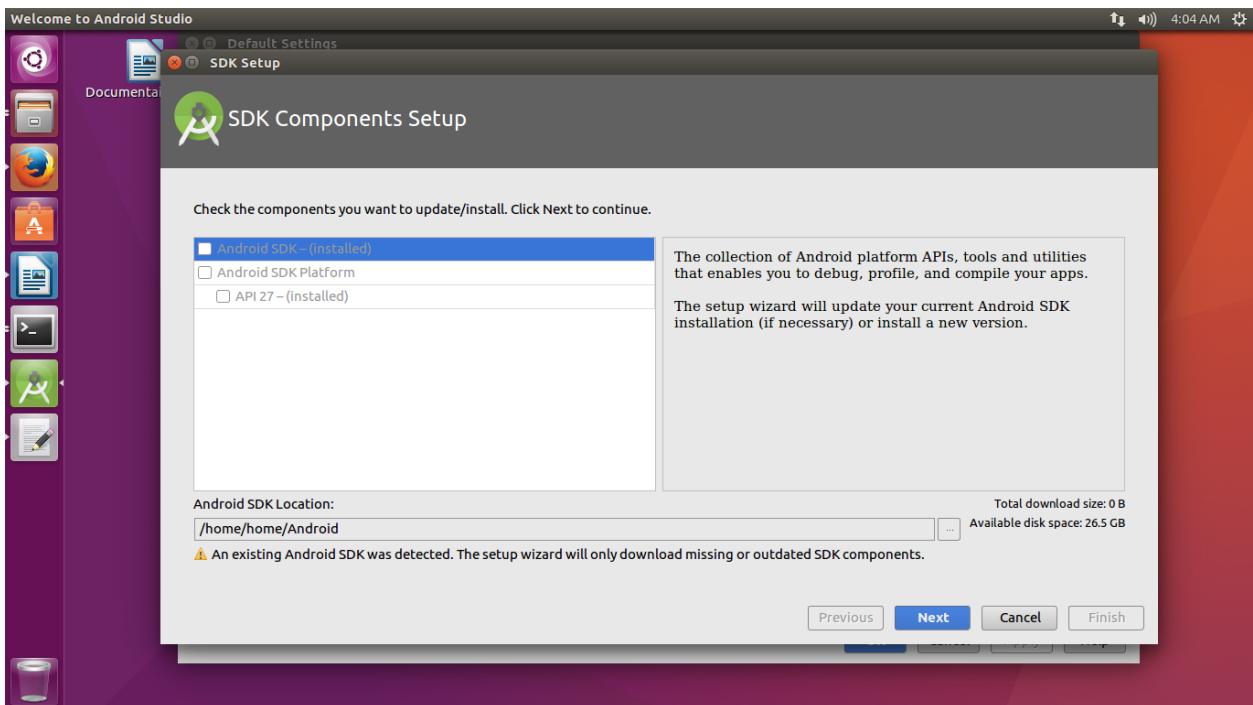
cd Downloads/android\ studio/ bin/

after hit this type

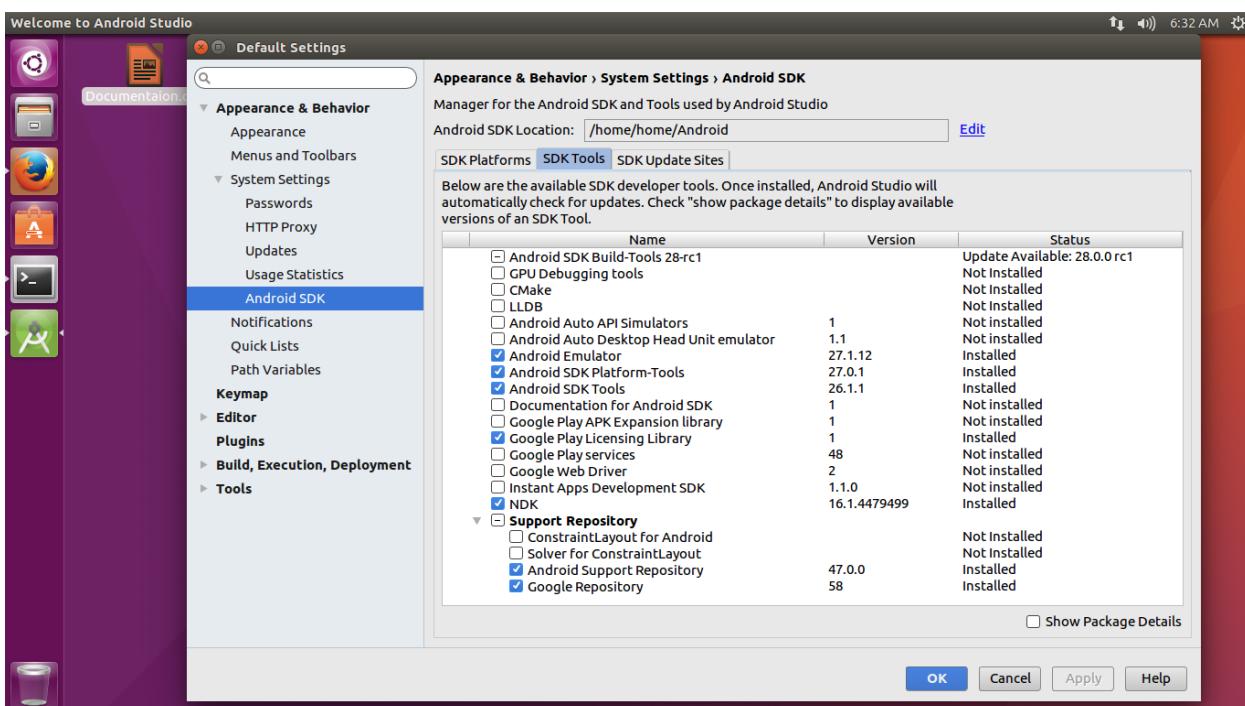
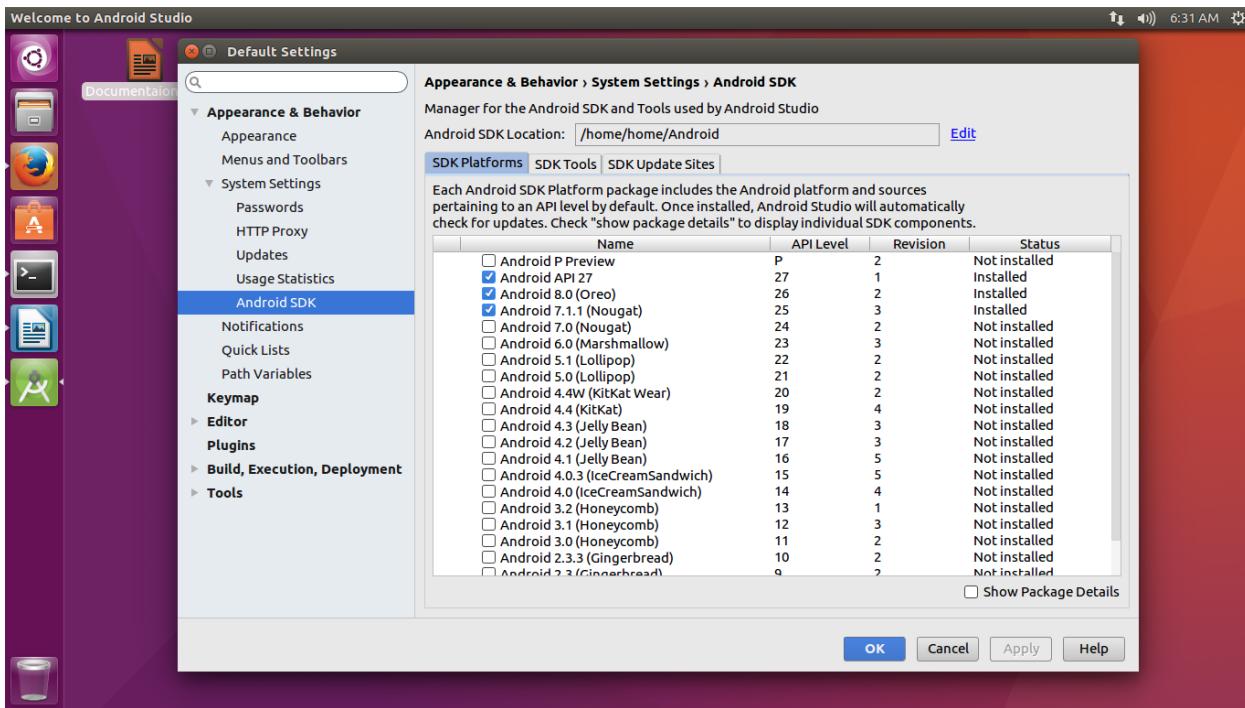
sudo ./studio.sh

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

8. Cordova Application Icon

```
sudo npm install cordova-icon -g
```

8.1. Link

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

9. Cordova Application Splash

```
sudo npm install cordova-splash -g
```

9.1. Link

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

10. Plugins Detail & Installation

cordova-call 1.1.3 "CordovaCall"

```
cordova plugin add cordova-call
```

cordova-plugin-android-permissions 1.0.0 "Permissions"

```
cordova plugin add cordova-plugin-android-permissions
```

cordova-plugin-console 1.1.0 "Console"

```
cordova plugin add cordova-plugin-console
```

cordova-plugin-device 2.0.1 "Device"

```
cordova plugin add cordova-plugin-device
```

cordova-plugin-file 6.0.1 "File"

```
cordova plugin add cordova-plugin-file
```

cordova-plugin-network-information 2.0.1 "Network Information"

```
cordova plugin add cordova-plugin-network-information
```

cordova-plugin-spinner-dialog 1.3.1 "SpinnerDialog"

```
cordova plugin add cordova-plugin-spinnerdialog
```

cordova-plugin-splashscreen 5.0.2 "Splashscreen"
cordova plugin add cordova-plugin-splashscreen

cordova-plugin-whitelist 1.3.3 "Whitelist"
cordova plugin add cordova-plugin-whitelist

cordova-sqlite-storage 2.3.0 "Cordova sqlite storage plugin"
cordova plugin add cordova-sqlite-storage

cordova.plugins.diagnostic 2.3.17 "Diagnostic"
cordova plugin add cordova.plugins.diagnostic

io.gvox.plugin.phonecalltrap 0.1.2 "PhoneCallTrap"
cordova plugin add cozzbie.plugin.phonecalltrap

11. API Configuration Steps

Please follow these steps to configure api's (Need only if you want to configure at any other server).

11.1. Extract the hamster.zip

11.2. Database Connection String

Make the following changes in .env (at root) file

- DB_DATABASE=your database name
- DB_USERNAME= your data base user name
- DB_PASSWORD=your data base password

11.3. Mail Server Settings

To change Mail server. Make the following changes in .env (at root) file

- MAIL_DRIVER=mail utility
- MAIL_HOST=mail host
- MAIL_PORT=465
- MAIL_USERNAME=user name

11.4. Importing Database

Import database file named "hamster.sql"