Software Installation Steps
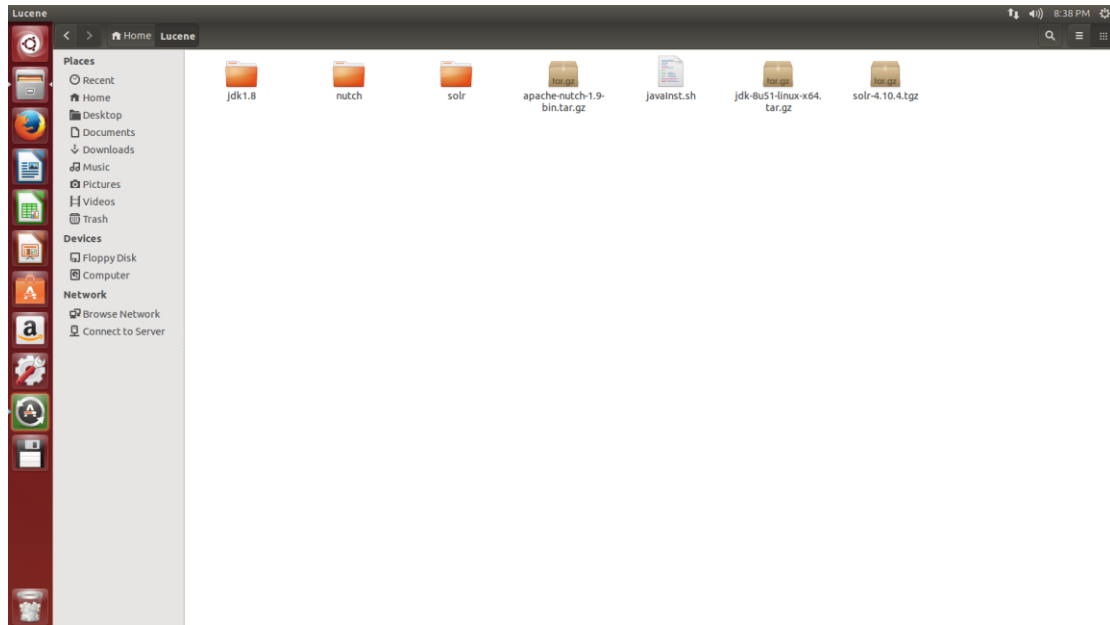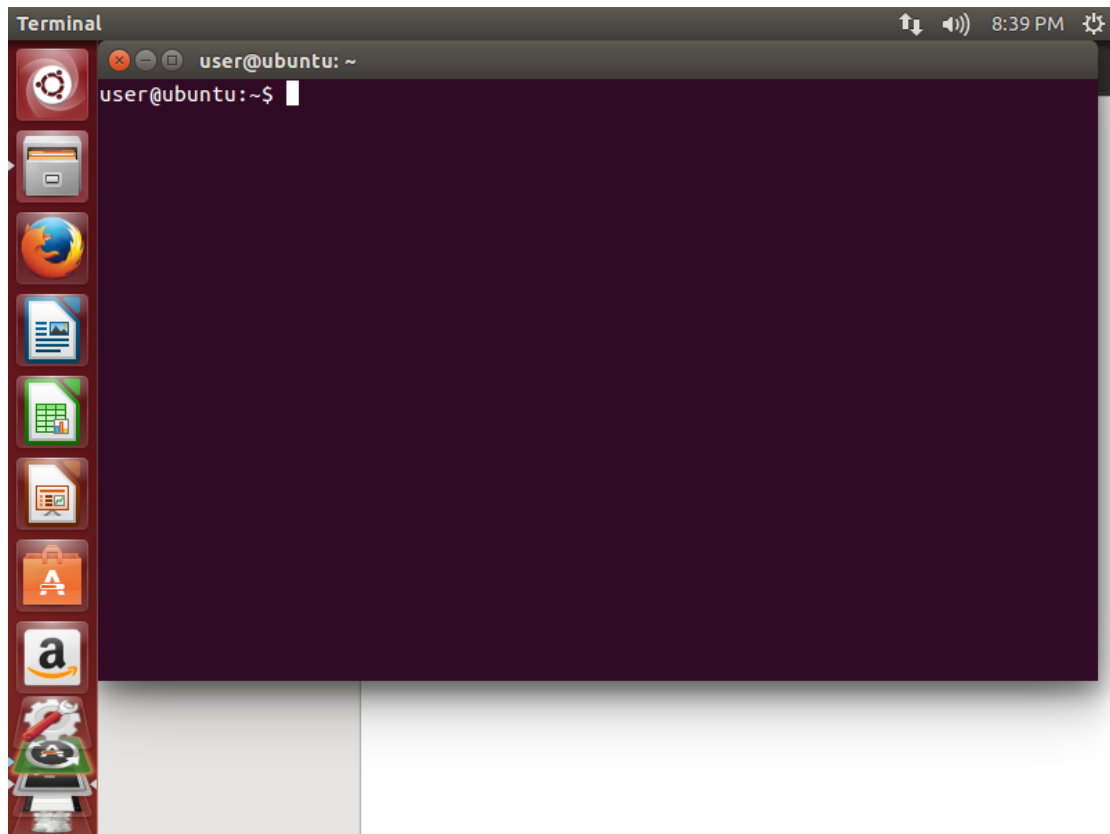
1-Copy this word file to the virtual machine in home/Lucene open it from there

2- Copy the file javaInst.sh in this folder too
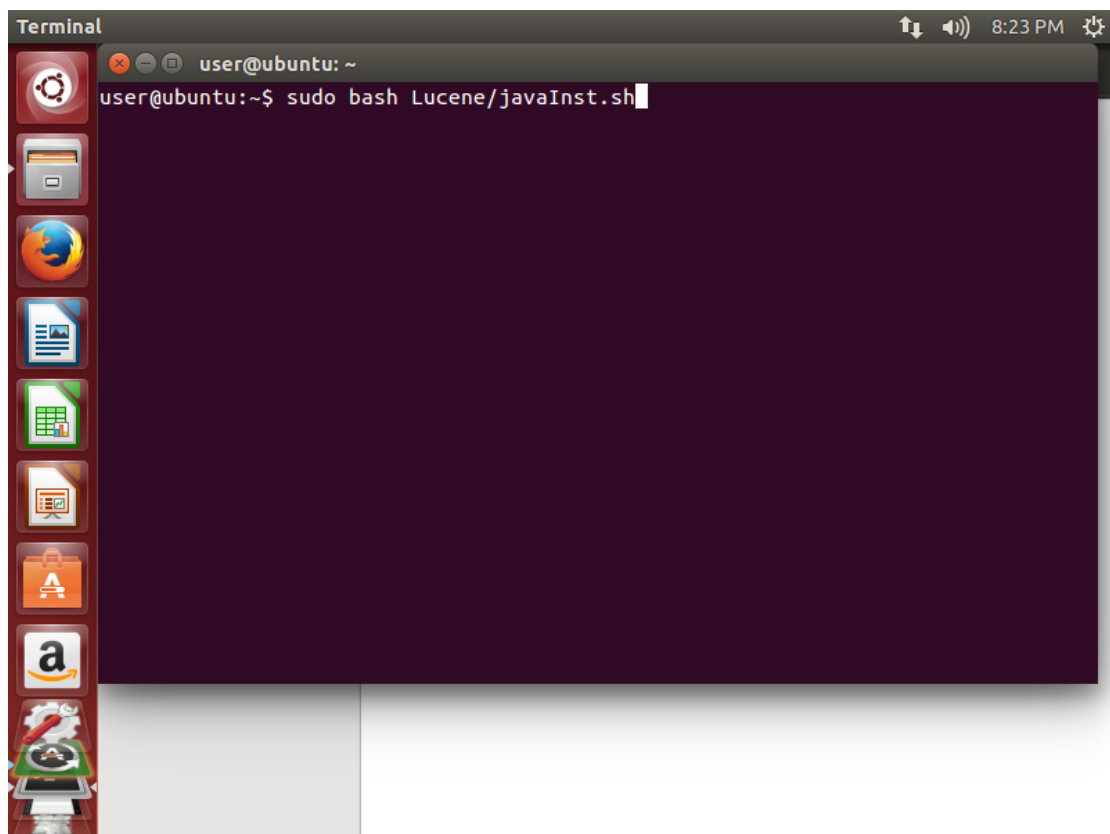
3- Now we are installing Java JDK and set the JAVA_HOME

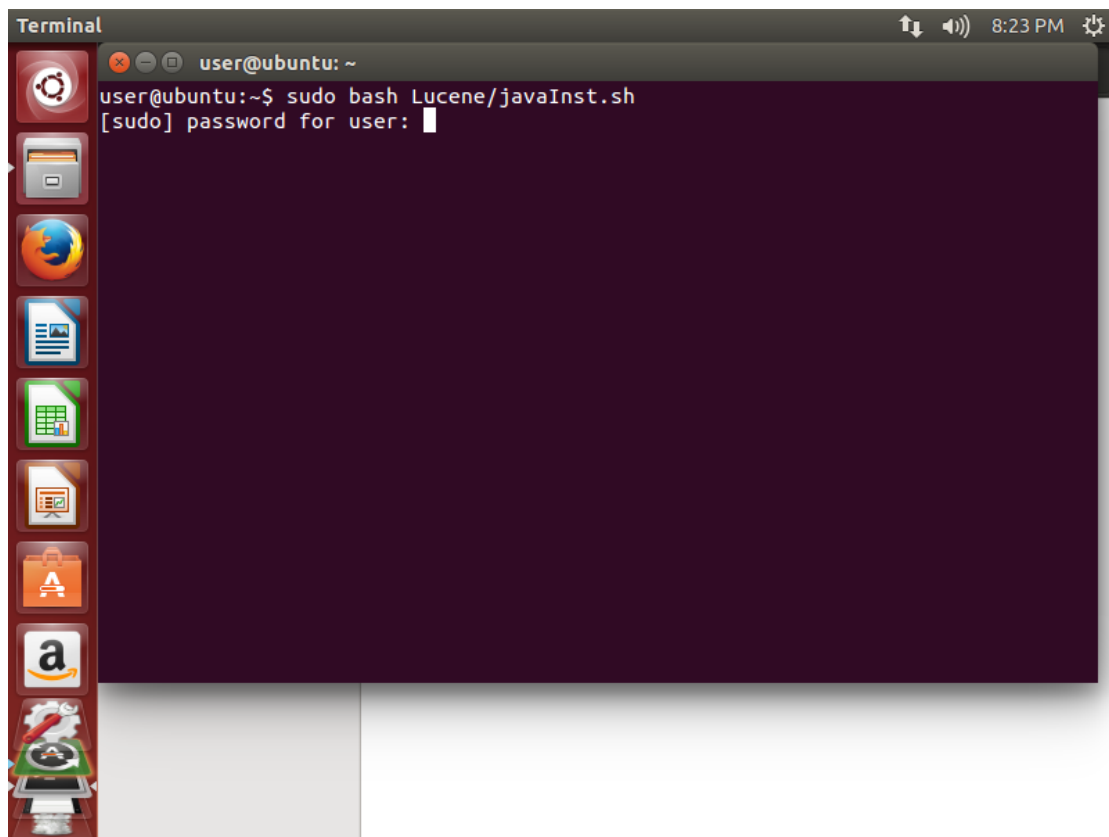**Step 1:** press ctrl + alt + t   opens a new terminal (black screen)

Step 2: paste the following line in the terminal
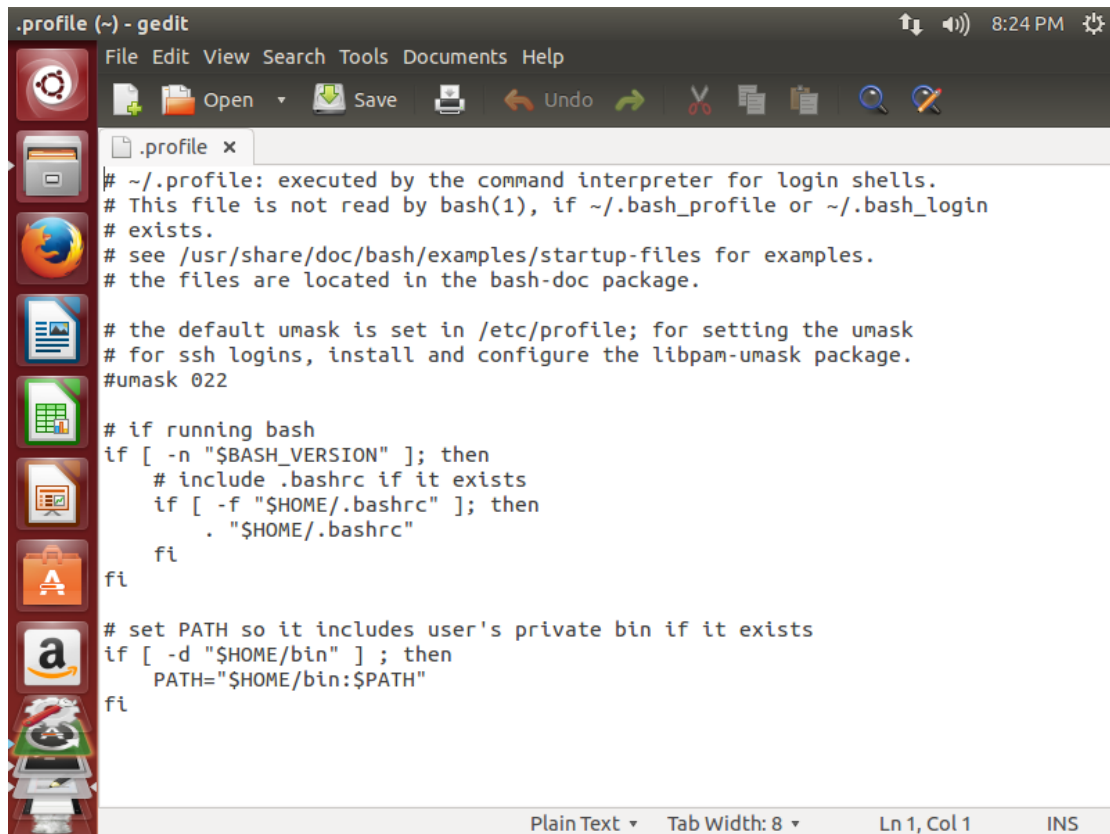
sudo bash Lucene/javaInst.sh

This window will appear

Step 3: Enter the password 123 press Enter

This window will appear

```
# ~/.profile: executed by the command interpreter for login shells.
# This file is not read by bash(1), if ~/.bash_profile or ~/.bash_login
# exists.
# see /usr/share/doc/bash/examples/startup-files for examples.
# the files are located in the bash-doc package.

# the default umask is set in /etc/profile; for setting the umask
# for ssh logins, install and configure the libpam-umask package.
#umask 022

# if running bash
if [ -n "$BASH_VERSION" ]; then
    # include .bashrc if it exists
    if [ -f "$HOME/.bashrc" ]; then
        . "$HOME/.bashrc"
    fi
fi

# set PATH so it includes user's private bin if it exists
if [ -d "$HOME/bin" ] ; then
    PATH="$HOME/bin:$PATH"
fi
```

Step 4:

Press ctrl + end to go to the last line in the file shown above

Press enter to create a new line
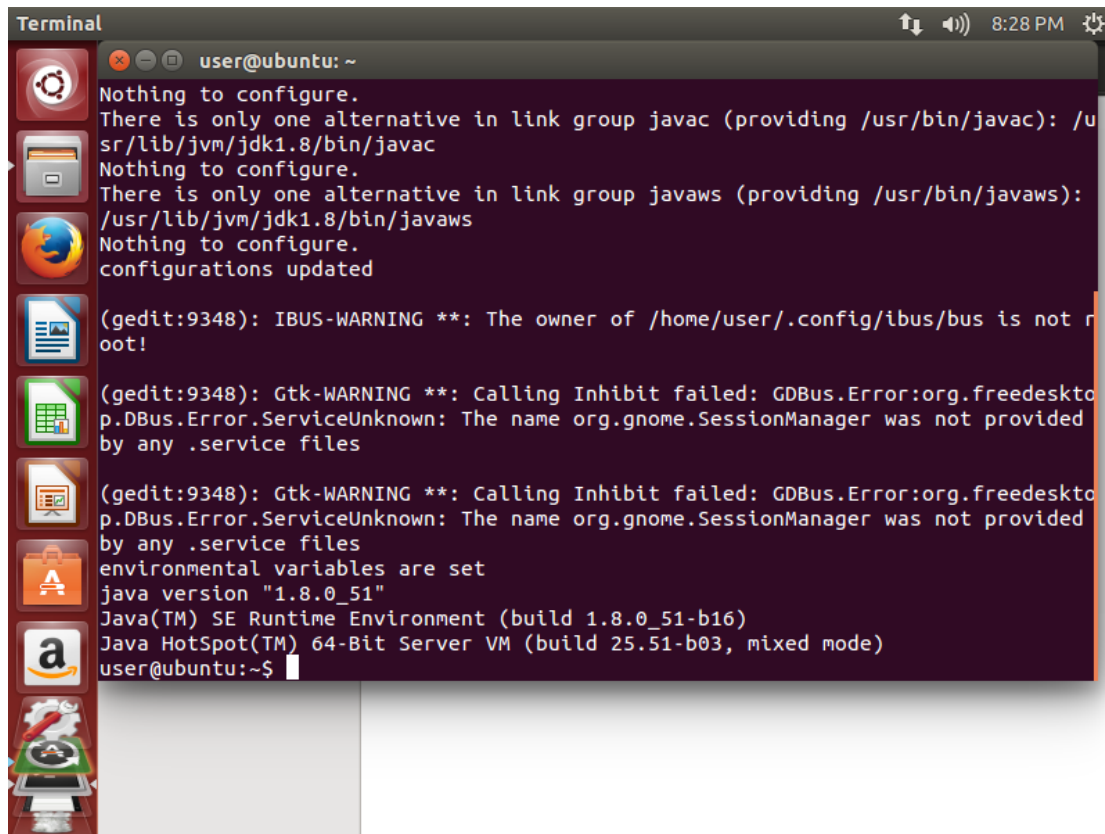
Paste this :

JAVA_HOME=/usr/lib/jvm/jdk1.8

export JAVA_HOME

PATH=$PATH:$JAVA_HOME

export PATH

save and close

you will see something like this in the terminal

Nothing to configure.
There is only one alternative in link group javac (providing /usr/bin/javac): /usr/lib/jvm/jdk1.8/bin/javac
Nothing to configure.
There is only one alternative in link group javaws (providing /usr/bin/javaws): /usr/lib/jvm/jdk1.8/bin/javaws
Nothing to configure.
configurations updated

(gedit:9348): IBUS-WARNING **: The owner of /home/user/.config/ibus/bus is not root!

(gedit:9348): Gtk-WARNING **: Calling Inhibit failed: GDBus.Error:org.freedesktop.DBus.Error.ServiceUnknown: The name org.gnome.SessionManager was not provided by any .service files

(gedit:9348): Gtk-WARNING **: Calling Inhibit failed: GDBus.Error:org.freedesktop.DBus.Error.ServiceUnknown: The name org.gnome.SessionManager was not provided by any .service files
environmental variables are set
java version "1.8.0_51"
Java(TM) SE Runtime Environment (build 1.8.0_51-b16)
Java HotSpot(TM) 64-Bit Server VM (build 25.51-b03, mixed mode)
user@ubuntu:~$

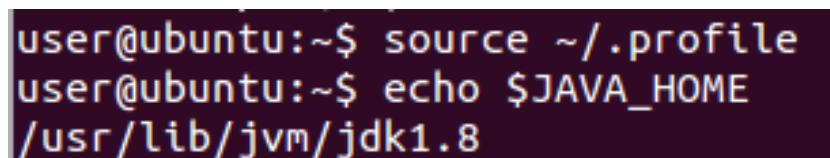Check to see that the last two lines, you must see the same in urs

Paste this

source ~/.profile

press enter

paste this

echo $JAVA_HOME

you must this


```
user@ubuntu:~$ source ~/.profile
user@ubuntu:~$ echo $JAVA_HOME
/usr/lib/jvm/jdk1.8
```