

Bonus

1)

```
roy@roy-virtual-machine:~$ sudo fdisk -l
[sudo] password for roy:
Disk /dev/loop0: 4 KiB, 4096 bytes, 8 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop1: 54.97 MiB, 57618432 bytes, 112536 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop2: 55.45 MiB, 58130432 bytes, 113536 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop3: 255.58 MiB, 267980800 bytes, 523400 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop4: 50.98 MiB, 53432320 bytes, 104360 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop5: 219 MiB, 229638144 bytes, 448512 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

```

Disk /dev/loop6: 62.9 MiB, 65105920 bytes, 127160 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop7: 65.22 MiB, 68378624 bytes, 133552 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/sda: 10 GiB, 10737418240 bytes, 20971520 sectors
Disk model: VMware Virtual S
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xbab32844

Device      Boot  Start      End  Sectors  Size Id Type
/dev/sda1   *      2048    1050623   1048576   512M  b W95 FAT32
/dev/sda2             1052670  20969471  19916802   9.5G  5 Extended
/dev/sda5             1052672  20969471  19916800   9.5G  83 Linux

Disk /dev/loop8: 49.8 MiB, 52203520 bytes, 101960 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop9: 29.84 MiB, 31272960 bytes, 61080 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/loop10: 32.32 MiB, 33878016 bytes, 66168 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
roy@roy-virtual-machine:~$

```

There are 13 storage devices in my computer. Name: loop1, loop2, loop3, loop4, loop5, loop6, loop7, loop8, loop9, loop10, sda1, sda2 and sda5. As for partition, there are 3 partitions. Name: sda1, sda2, sda5 which sda1 and sda2 are extended partitions and sda5 is logical partition.

2)

```
roy@roy-virtual-machine:~$ ps
  PID TTY          TIME CMD
 2377 pts/0    00:00:00 bash
 6160 pts/0    00:00:00 ps
```

Command: “ps”

```
roy@roy-virtual-machine:~$ top
```

```
top - 23:47:47 up 31 min, 1 user, load average: 0.00, 0.03, 0.01
Tasks: 292 total, 1 running, 291 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.3 us, 1.2 sy, 0.0 ni, 98.5 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 1952.9 total, 264.2 free, 1099.6 used, 589.0 buff/cache
MiB Swap: 448.5 total, 428.2 free, 20.3 used. 695.7 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1511	roy	20	0	269320	55700	28432	S	1.7	2.8	0:04.15	Xorg
1667	roy	20	0	4098872	238512	87088	S	1.3	11.9	0:11.04	gnome-shell
2367	roy	20	0	966396	50720	37680	S	1.0	2.5	0:01.52	gnome-terminal-
1891	roy	20	0	298144	39592	25324	S	0.3	2.0	0:02.82	vmtoolsd
6010	root	20	0	0	0	0	I	0.3	0.0	0:00.79	kworker/1:2-events
6173	roy	20	0	15216	4360	3444	R	0.3	0.2	0:00.11	top
1	root	20	0	167712	11008	7836	S	0.0	0.6	0:02.32	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.01	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par_gp
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
9	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
10	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_rude
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_trace
12	root	20	0	0	0	0	S	0.0	0.0	0:00.15	ksoftirqd/0
13	root	20	0	0	0	0	I	0.0	0.0	0:00.38	rcu_sched
14	root	rt	0	0	0	0	S	0.0	0.0	0:00.01	migration/0
15	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
16	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
17	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
18	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/1
19	root	rt	0	0	0	0	S	0.0	0.0	0:00.24	migration/1
20	root	20	0	0	0	0	S	0.0	0.0	0:00.13	ksoftirqd/1
22	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
23	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
24	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
25	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
26	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kauditd
28	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
29	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
31	root	20	0	0	0	0	S	0.0	0.0	0:00.18	kcompactd0
32	root	25	5	0	0	0	S	0.0	0.0	0:00.00	ksmd
33	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khugepaged
80	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
81	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kblockd
82	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	blkcg_punt_bio
83	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	tpm_dev_wq
84	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
85	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	md
86	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	edac-poller

Command: “top”

3)

The Linux management command “sudo” permits a user to executes some or all “root” commands by the system controller. “Root” user is the only one super user in the system. It have all the authorities to execute any command.

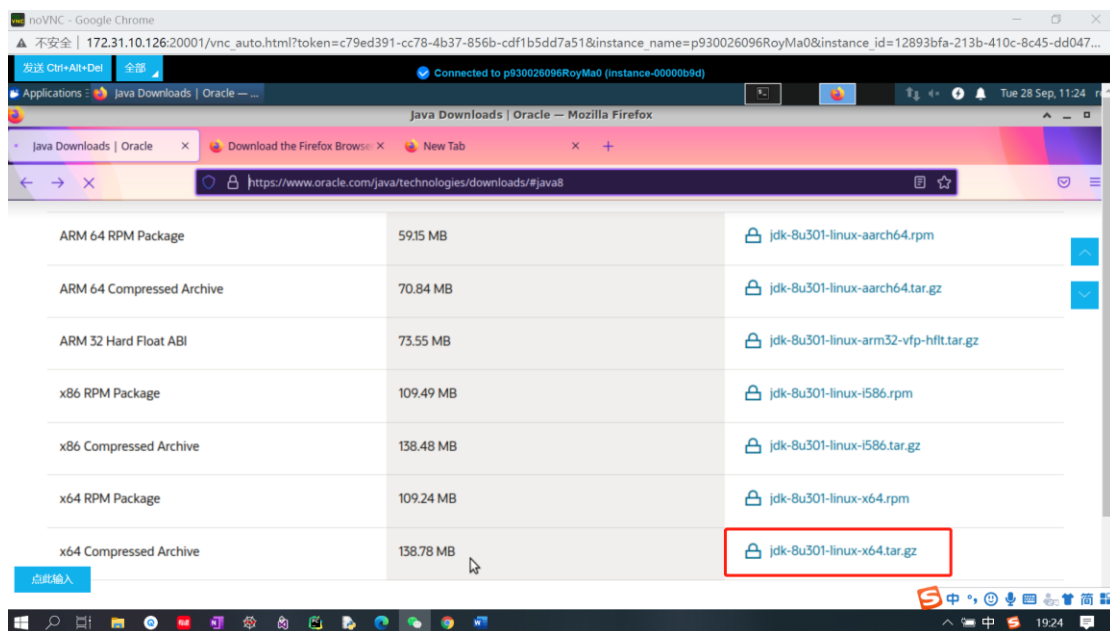
```
roy@roy-virtual-machine:~$ passwd roy
Changing password for roy.
Current password:
New password:
Retype new password:
Password unchanged
New password: 
```

The command “passwd [account name]” can change password. (The screenshot doesn't change the passwd.)

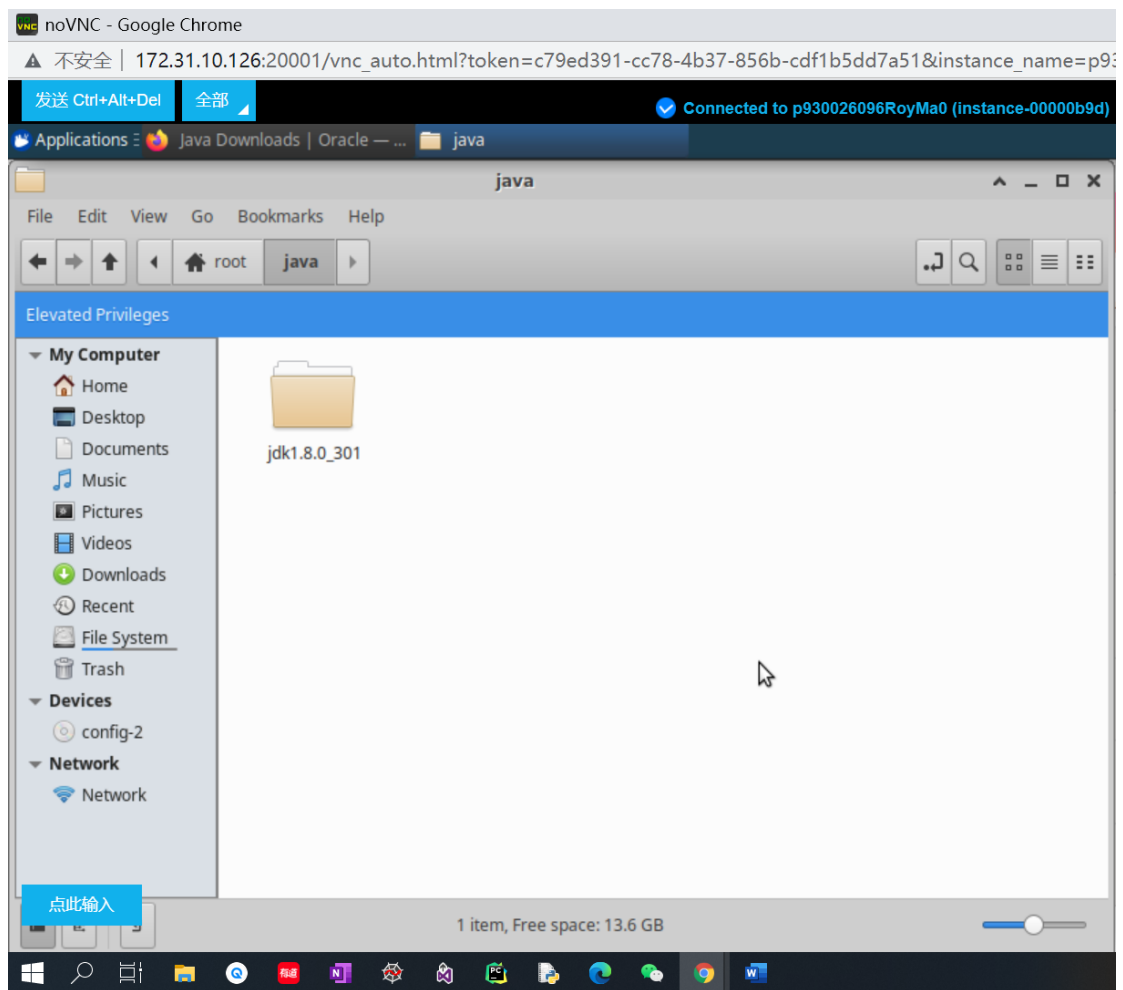
```
roy@roy-virtual-machine:~$ sudo useradd royma
[sudo] password for roy:
roy@roy-virtual-machine:~$ 
```

The command “sudo useradd [new account name]” can create a new account.

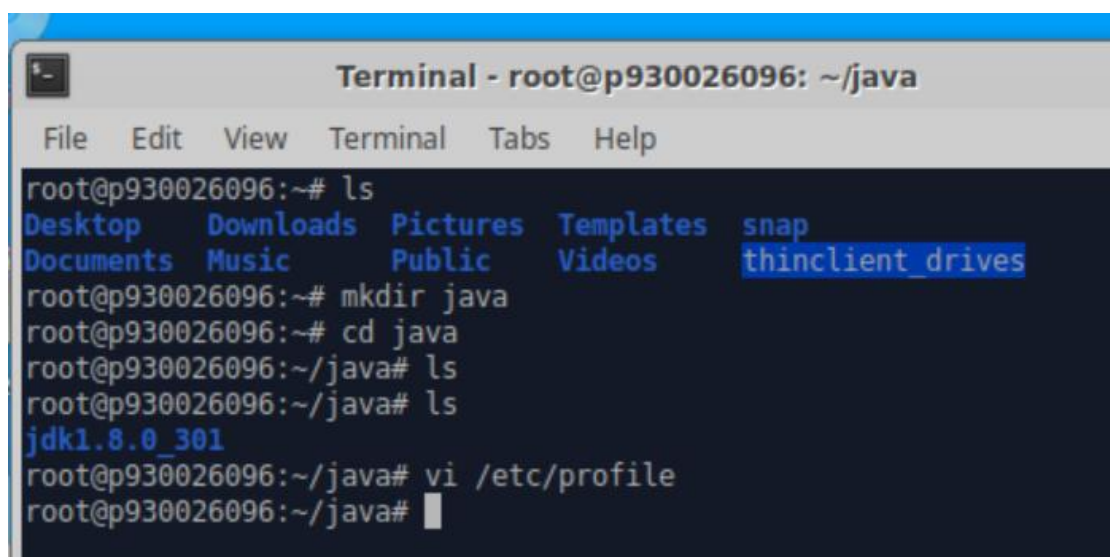
4)



Go to Oracle and download the compressed archive with the postfix “.tar.gz”



Extract the archive to a directory called “java”.



Create a directory “java” and the extracted file is under such directory.
Add the environment variables by editing the file “/etc/profile”.

```
Terminal - root@p930026096: ~/java
File Edit View Terminal Tabs Help

fi
else
  if [ "`id -u`" -eq 0 ]; then
    PS1='# '
  else
    PS1='$ '
  fi
fi
fi

if [ -d /etc/profile.d ]; then
  for i in /etc/profile.d/*.sh; do
    if [ -r $i ]; then
      . $i
    fi
  done
  unset i
fi

export JAVA_HOME=/HOME/java/jdk1.9.0_301
export JAVA_HOME=${JAVA_HOME}/jre
export CLASSPATH=.:${JAVA_HOME}/lib:$CLASSPATH
export JAVA_PATH=${JAVA_HOME}/bin:${JRE_HOME}/bin
export PATH=$PATH:${JAVA_PATH}

:wq!
```

Add five lines of “export” command at the end of the file. (“i”: insert mode, “Esc”: read mode, “x”: delete one word under read mode, “:wq”: save and exit the file under read mode).

```
root@p930026096:~/java# source /etc/profile
root@p930026096:~/java# javac

Command 'javac' not found, but can be installed with:

apt install default-jdk          # version 2:1.11-72, or
apt install openjdk-11-jdk-headless # version 11.0.11+9-0ubuntu2~20.04
apt install ecj                  # version 3.16.0-1
apt install openjdk-16-jdk-headless # version 16.0.1+9-1~20.04
apt install openjdk-8-jdk-headless  # version 8u292-b10-0ubuntu1~20.04
apt install openjdk-13-jdk-headless # version 13.0.7+5-0ubuntu1~20.04
```

The first line command is to make the changes in “/etc/profile” valid and check whether the changes has been taken. But, it first need to install some packages.


```
root@p930026096:~/java# apt install default-jdk
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ca-certificates-java default-jdk-headless default-jre default-jre-headless
  fonts-dejavu-extra java-common libatk-wrapper-java libatk-wrapper-java-jni
  libice-dev libpthread-stubs0-dev libsm-dev libx11-dev libxau-dev libxcb1-dev
  libxdmcp-dev libxt-dev openjdk-11-jdk openjdk-11-jdk-headless openjdk-11-jre
  openjdk-11-jre-headless x11proto-core-dev x11proto-dev xorg-sgml-doctools
  xtrans-dev
Suggested packages:
  libice-doc libsm-doc libx11-doc libxcb-doc libxt-doc openjdk-11-demo
  openjdk-11-source visualvm fonts-ipafont-gothic fonts-ipafont-mincho
  fonts-wqy-microhei | fonts-wqy-zenhei
The following NEW packages will be installed:
  ca-certificates-java default-jdk default-jdk-headless default-jre
  default-jre-headless fonts-dejavu-extra java-common libatk-wrapper-java
  libatk-wrapper-java-jni libice-dev libpthread-stubs0-dev libsm-dev
  libx11-dev libxau-dev libxcb1-dev libxdmcp-dev libxt-dev openjdk-11-jdk
  openjdk-11-jdk-headless openjdk-11-jre openjdk-11-jre-headless
  x11proto-core-dev x11proto-dev xorg-sgml-doctools xtrans-dev
0 upgraded, 25 newly installed, 0 to remove and 296 not upgraded.
Need to get 266 MB of archives.
After this operation, 421 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nova.clouds.archive.ubuntu.com/ubuntu focal/main amd64 java-common all 0.72 [6816 B]
Get:2 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 openjdk-11-jre-headless amd64 11.0.11+9-0ubuntu2-20.04 [37.2 MB]
Get:3 http://nova.clouds.archive.ubuntu.com/ubuntu focal/main amd64 default-jre-headless amd64 2:1.11-72 [3192 B]
Get:4 http://nova.clouds.archive.ubuntu.com/ubuntu focal/main amd64 ca-certificates-java all 20190405ubuntu1 [12.2 kB]
Get:5 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 openjdk-11-jre amd64 11.0.11+9-0ubuntu2-20.04 [174 kB]
Get:6 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 default-jre amd64 2:1.11-72 [1084 B]
Get:7 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 openjdk-11-jdk-headless amd64 11.0.11+9-0ubuntu2-20.04 [223 MB]
Fetched 266 MB in 6s (4162 kB/s)
Selecting previously unselected package openjdk-11-jdk-headless:amd64.
```

```
root@p930026096:~/java# apt install openjdk-8-jdk-headless
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  openjdk-8-jre-headless
Suggested packages:
  openjdk-8-demo openjdk-8-source fonts-ipafont-gothic fonts-ipafont-mincho
  fonts-wqy-microhei fonts-wqy-zenhei
The following NEW packages will be installed:
  openjdk-8-jdk-headless openjdk-8-jre-headless
0 upgraded, 2 newly installed, 0 to remove and 296 not upgraded.
Need to get 36.5 MB of archives.
After this operation, 143 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jre-headless amd64 8u292-b10-0ubuntu1-20.04 [28.2 MB]
Get:2 http://nova.clouds.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jdk-headless amd64 8u292-b10-0ubuntu1-20.04 [8287 kB]
Fetched 36.5 MB in 6s (6162 kB/s)
Selecting previously unselected package openjdk-8-jre-headless:amd64.
```

```
root@p930026096:~/java# apt install ecj
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libecj-java
Suggested packages:
  ant
The following NEW packages will be installed:
  ecj libecj-java
0 upgraded, 2 newly installed, 0 to remove and 296 not upgraded.
Need to get 1790 kB of archives.
After this operation, 1987 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nova.clouds.archive.ubuntu.com/ubuntu focal/universe amd64 libecj-java all 3.16.0-1 [1775 kB]
Get:2 http://nova.clouds.archive.ubuntu.com/ubuntu focal/universe amd64 ecj all 3.16.0-1 [14.1 kB]
Fetched 1790 kB in 5s (366 kB/s)
Selecting previously unselected package libecj-java.
(Reading database ... 256946 files and directories currently installed.)
Preparing to unpack .../libecj-java_3.16.0-1_all.deb ...
Unpacking libecj-java (3.16.0-1) ...
Selecting previously unselected package ecj.
```

Install all the needed packages.

```
root@p930026096:~/java# java -version
openjdk version "11.0.11" 2021-04-20
OpenJDK Runtime Environment (build 11.0.11+9-Ubuntu-0ubuntu2.20.04)
OpenJDK 64-Bit Server VM (build 11.0.11+9-Ubuntu-0ubuntu2.20.04, mixed mode, sharing)
```

Check whether environment variable works

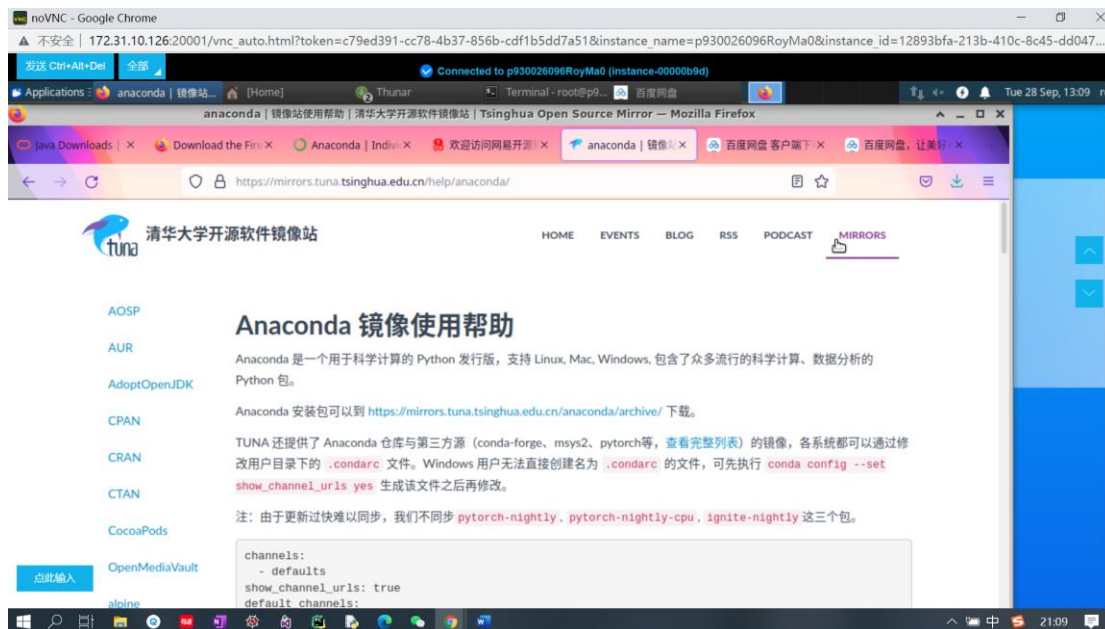
```

root@p930026096:~/java# javac
Usage: javac <options> <source files>
where possible options include:
  @<filename>          Read options and filenames from file
  -Akey[=value]         Options to pass to annotation processors
  --add-modules <module>(<module>)*
                        Root modules to resolve in addition to the initial modules, or all modules
                        on the module path if <module> is ALL-MODULE-PATH.
  --boot-class-path <path>, -bootclasspath <path>
                        Override location of bootstrap class files
  --class-path <path>, -classpath <path>, -cp <path>
                        Specify where to find user class files and annotation processors
  -d <directory>        Specify where to place generated class files
  -deprecation           Output source locations where deprecated APIs are used
  --enable-preview       Enable preview language features. To be used in conjunction with either -source or --release.
  -encoding <encoding>   Specify character encoding used by source files
  -endorseddirs <dirs>   Override location of endorsed standards path
  -extdirs <dirs>        Override location of installed extensions
  -g                    Generate all debugging info
  -g:{lines,vars,source} Generate only some debugging info
  -g:none               Generate no debugging info
  -h <directory>        Specify where to place generated native header files
  --help, -help, -?     Print this help message
  --help-extra, -X      Print help on extra options
  -implicit:{none,class}
                        Specify whether or not to generate class files for implicitly referenced files
  -J<flag>              Pass <flag> directly to the runtime system
  --limit-modules <module>(<module>)*
                        the universe of observable modules
                        module-name>, -m <module-name>
  Compile only the specified module, check timestamps

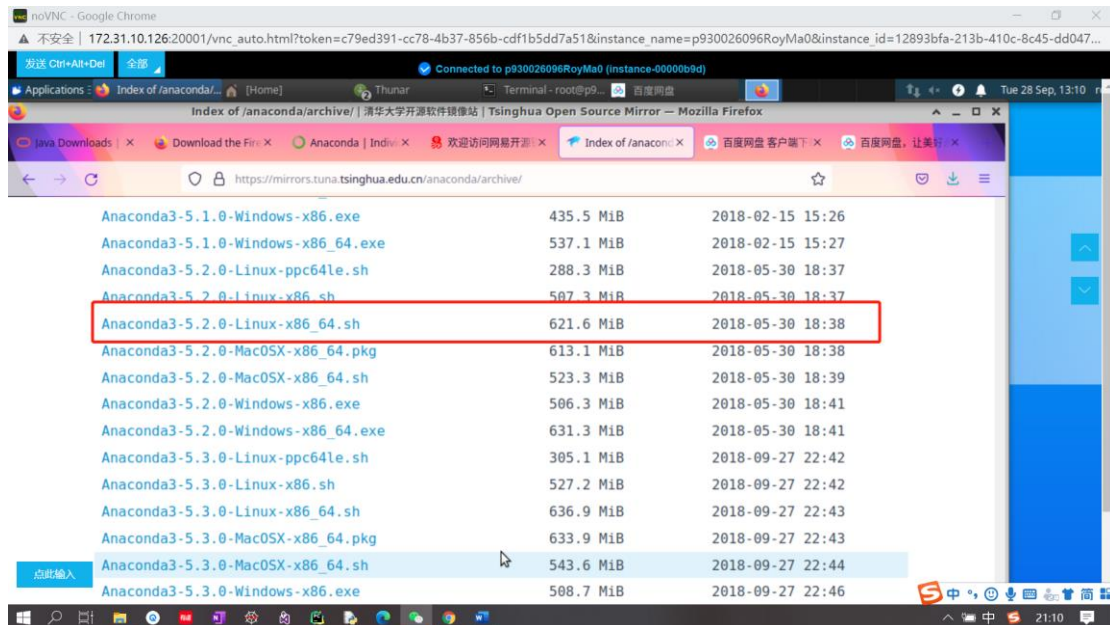
```

Java is installed and configured successfully.

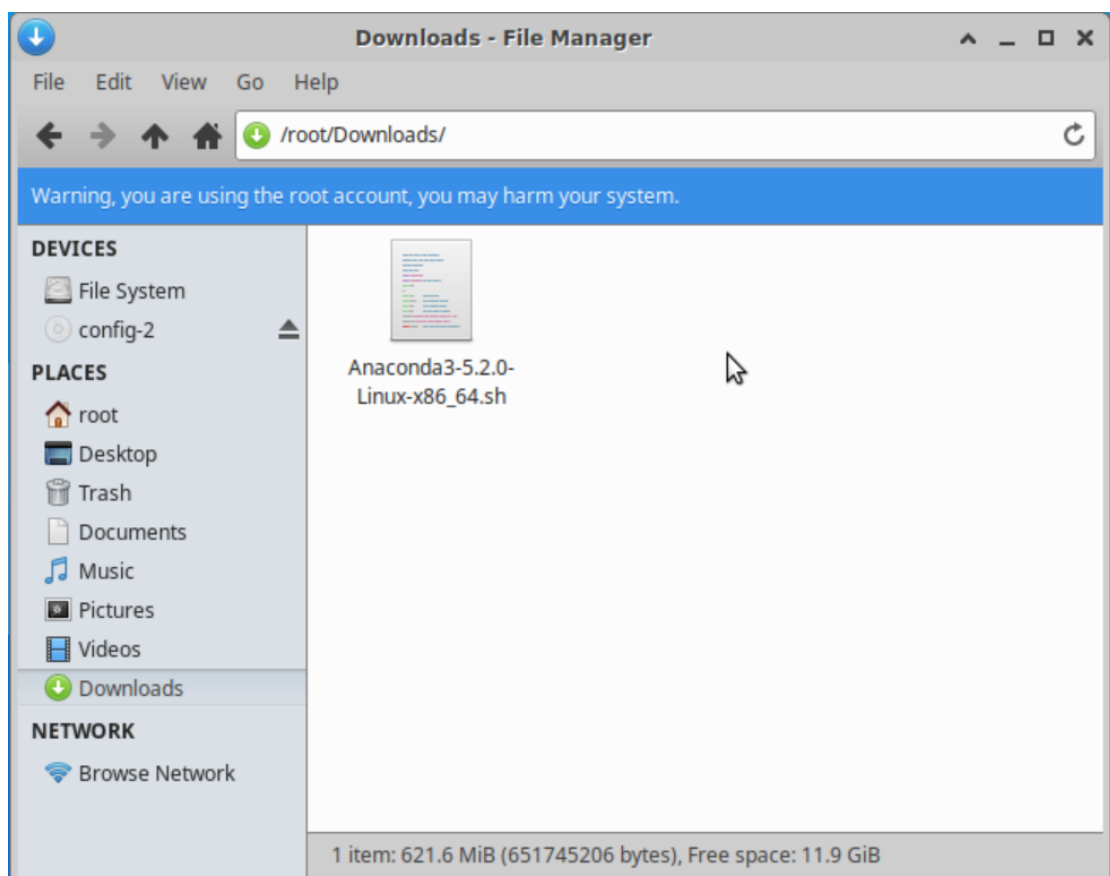
5)



Find the image file of anaconda in a local source website.



Download for Linux



Check the .sh file in the downloads directory, if not, move it from `/tmp` to `/root/Downloads`

```

root@p930026096:~# ls
Desktop  Downloads  Pictures  Templates  java  thinclient drives
Documents Music    Public    Videos    snap
root@p930026096:~# cd Downloads
root@p930026096:~/Downloads# bash Anaconda3-5.2.0-Linux-x86_64.sh

Welcome to Anaconda3 5.2.0

In order to continue the installation process, please review the license
agreement.
Please, press ENTER to continue
>>>

```

Enter the Downloads directory and bash the .sh file. Click enter.

```

Terminal - root@p930026096:~/Downloads
File Edit View Terminal Tabs Help

=====
Anaconda End User License Agreement
=====

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RRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
--More--

>>>
Please answer 'yes' or 'no':
>>> yes

```

Type "yes". All above is the basic information of anaconda.

```

Anaconda3 will now be installed into this location:
/root/anaconda3

- Press ENTER to confirm the location
- Press CTRL-C to abort the installation
- Or specify a different location below

```

Click "Enter".

```
noVNC - Google Chrome
172.31.10.126:20001/vnc_auto.html?token=c79ed391-cc78-4b37-856b-cdf1b5dd7a51&instance_name=p930026096RoyMa0&instance_id=12893bfa-213b-410c-8c45-dd047...
Connected to p930026096RoyMa0 (instance-00000b9d)

installing: widgetsnbextension-3.2.1-py36_0 ...
installing: ipynbwidgets-7.2.1-py36_0 ...
installing: jupyterlab-0.32.1-py36_0 ...
installing: spyder-3.2.0-py36_0 ...
installing: ipynb_ext_nb_ext_conf-0.1.0-py36helle457_0 ...
installing: jupyter-1.0.0-py36_4 ...
installing: bokeh-0.12.16-py36_0 ...
installing: bottleneck-1.2.1-py36haac1ea0_0 ...
installing: conda-4.5.4-py36_0 ...
installing: conda-build-3.10.5-py36_0 ...
installing: datashape-0.5.4-py36h3ad6b5c_0 ...
installing: h5py-2.7.1-py36h1f6525_2 ...
installing: imageio-2.3.0-py36_0 ...
installing: matplotlib-2.2.2-py36h0e671d2_1 ...
installing: mkl_fft-1.0.1-py36h3010b51_0 ...
installing: mkl_random-1.0.1-py36h6296387_0 ...
installing: numpy-1.14.3-py36hcd70ebc_1 ...
installing: numba-0.38.0-py36h37b7d7_0 ...
installing: numexpr-2.6.5-py36h7b3b9c_0 ...
installing: pandas-0.22.0-py36h63707d7_0 ...
installing: pytest-arraydiff-0.2-py36_0 ...
installing: pytest-doctestplus-0.1.3-py36_0 ...
installing: pywavelets-0.5.2-py36h602eb0_0 ...
installing: scipy-1.1.0-py36hfc37229_0 ...
installing: bkcharts-0.2-py36h735825a_0 ...
installing: dask-0.17.5-py36_0 ...
installing: patsy-0.5.0-py36_0 ...
installing: pytables-3.4.3-py36h02b9ad4_2 ...
installing: pytest-astropy-0.3.0-py36_0 ...
installing: scikit-learn-0.19.1-py36h7aa7ec6_0 ...
installing: astropy-3.0.2-py36h3010b51_1 ...
installing: odo-0.5.1-py36h90ed295_0 ...
installing: scikit-image-0.13.1-py36h14c3975_1 ...
installing: statsmodels-0.9.0-py36h3010b51_0 ...
installing: blaze-0.11.3-py36h6e0776_0 ...
installing: seaborn-0.8.1-py36h7ad7ec4_0 ...
installing: anaconda-5.2.0-py36_3 ...
Installation finished.
Do you wish the installer to prepend the Anaconda3 install location
to PATH in your /root/.bashrc ? [yes/no]
[no] >>> yes

Type "yes".
```

```
Connected to p930026096RoyMa0 (instance-00000b9d)

installing: scipy-1.1.0-py36hfc37229_0 ...
installing: bkcharts-0.2-py36h735825a_0 ...
installing: dask-0.17.5-py36_0 ...
installing: patsy-0.5.0-py36_0 ...
installing: pytables-3.4.3-py36h02b9ad4_2 ...
installing: pytest-astropy-0.3.0-py36_0 ...
installing: scikit-learn-0.19.1-py36h7aa7ec6_0 ...
installing: astropy-3.0.2-py36h3010b51_1 ...
installing: odo-0.5.1-py36h90ed295_0 ...
installing: scikit-image-0.13.1-py36h14c3975_1 ...
installing: statsmodels-0.9.0-py36h3010b51_0 ...
installing: blaze-0.11.3-py36h6e0776_0 ...
installing: seaborn-0.8.1-py36h7ad7ec4_0 ...
installing: anaconda-5.2.0-py36_3 ...
Installation finished.
Do you wish the installer to prepend the Anaconda3 install location
to PATH in your /root/.bashrc ? [yes/no]
[no] >>> yes

Appending source /root/anaconda3/bin/activate to /root/.bashrc
A backup will be made to: /root/.bashrc-anaconda3.bak

For this change to become active, you have to open a new terminal.

Thank you for installing Anaconda3!

-----
Anaconda is partnered with Microsoft! Microsoft VSCode is a streamlined
code editor with support for development operations like debugging, task
running and version control.

To install Visual Studio Code, you will need:
- Administrator Privileges
- Internet connectivity

Visual Studio Code License: https://code.visualstudio.com/license
Do you wish to proceed with the installation of Microsoft VSCode? [yes/no]
[no] >>> yes

Type "No"
```

```
root@p930026096:~/Downloads# sudo vi /etc/profile
root@p930026096:~/Downloads# source /etc/profile
root@p930026096:~/Downloads# python3
Python 3.6.5 |Anaconda, Inc.| (default, Apr 29 2018, 16:14:56)
[GCC 7.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
```

Configure environmental variable by editing “/etc/profile”. And check the environmental variable by command “Python3”.

```
发送 Ctrl+Alt+Del 全部
# The file bash.bashrc already sets the default PS1
# PS1='\h:\w\$ '
if [ -f /etc/bash.bashrc ]; then
    . /etc/bash.bashrc
fi
else
    if [ "`id -u`" -eq 0 ]; then
        PS1='# '
    else
        PS1='$ '
    fi
fi
fi

if [ -d /etc/profile.d ]; then
    for i in /etc/profile.d/*.sh; do
        if [ -r $i ]; then
            . $i
        fi
    done
    unset i
fi

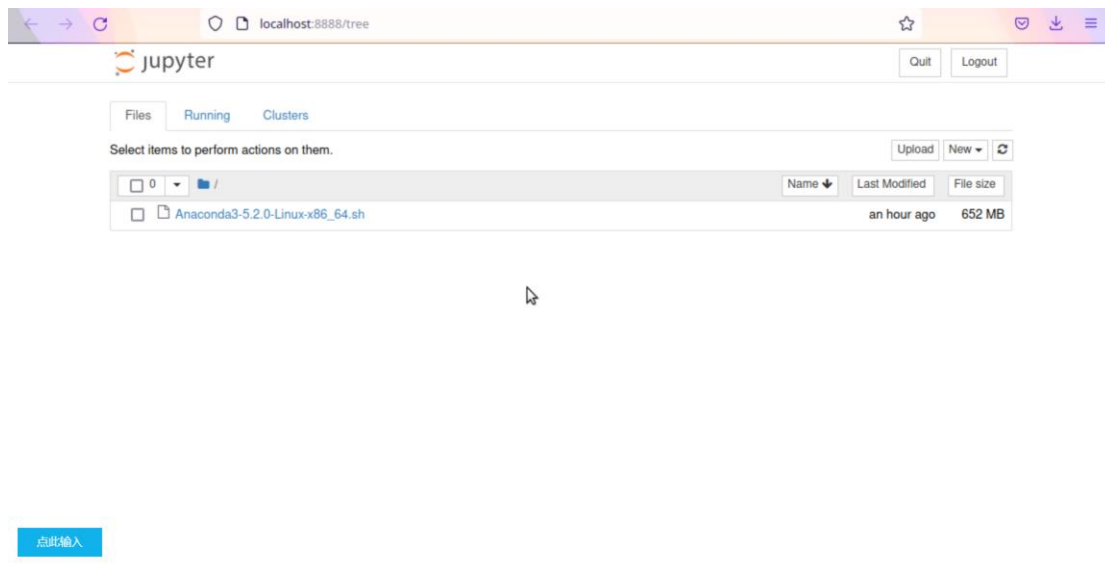
export JAVA_HOME=/HOME/java/jdk1.9.0_301
export JAVA_HOME=${JAVA_HOME}/jre
export CLASSPATH=.:${JAVA_HOME}/lib:${CLASSPATH}
export JAVA_PATH=${JAVA_HOME}/bin:${JRE_HOME}/bin
export PATH=$PATH:${JAVA_PATH}
export PATH=$PATH:/home/anaconda3/bin
```

Add last line to the file. Then save and quit.

```
root@p938026096:~/Downloads# jupyter notebook --allow-root
[I 12:32:41.516 NotebookApp] JupyterLab beta preview extension loaded from /root/.anaconda3/lib/python3.6/site-packages/jupyterlab
[I 12:32:41.517 NotebookApp] JupyterLab application directory is /root/.anaconda3/share/jupyter/lab
[I 12:32:41.521 NotebookApp] Serving notebooks from local directory: /root/Downloads
[I 12:32:41.521 NotebookApp] 0 active kernels
[I 12:32:41.521 NotebookApp] The Jupyter Notebook is running at:
[I 12:32:41.521 NotebookApp] http://localhost:8888/?token=cea65d27904dc085c9e52fabb0ef9442066ec6fe2f31dd5b
[I 12:32:41.521 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 12:32:41.522 NotebookApp]

Copy/paste this URL into your browser when you connect for the first time,
with a token:
http://localhost:8888/?token=cea65d27904dc085c9e52fabb0ef9442066ec6fe2f31dd5b&token=cea65d27904dc085c9e52fabb0ef9442066ec6fe2f31dd5b
[I 12:32:41.903 NotebookApp] Accepting one-time-token-authenticated connection from 127.0.0.1
```

Open jupyter notebook.

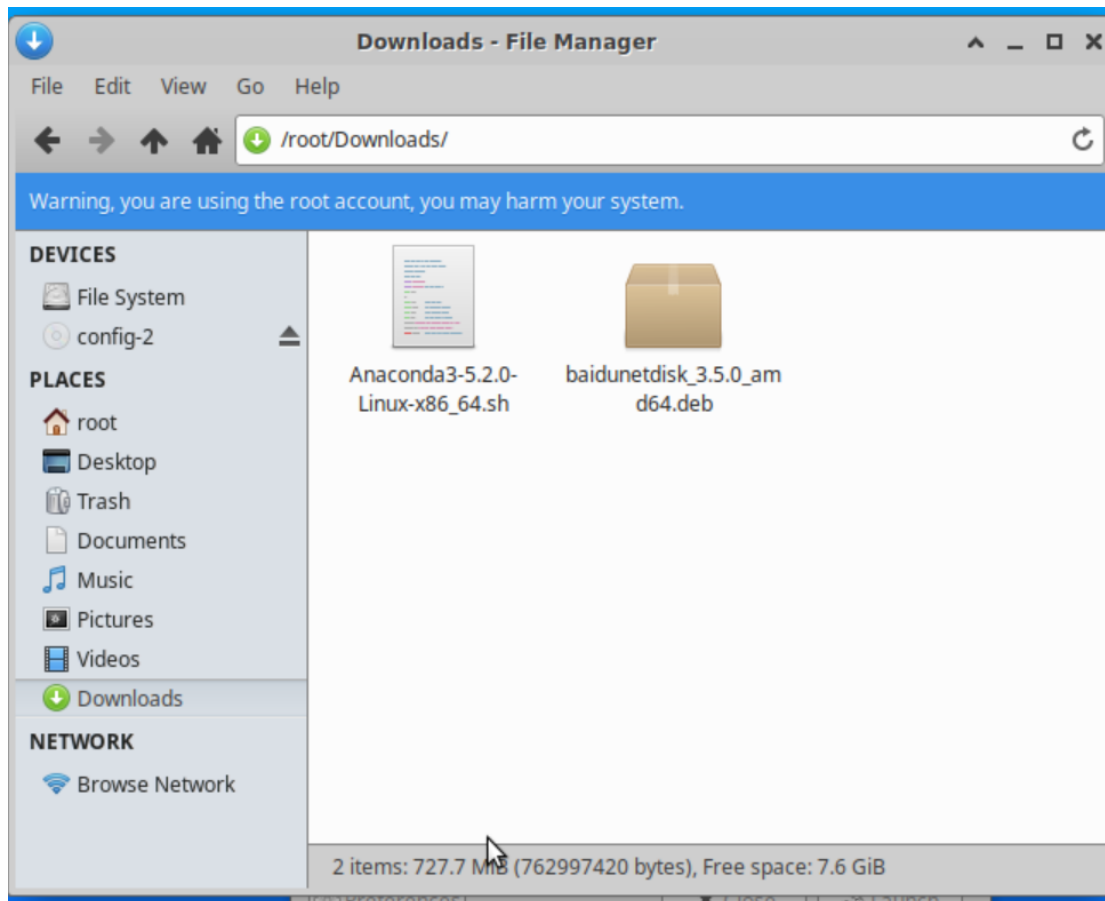


Successfully open the jupyter notebook.

6)



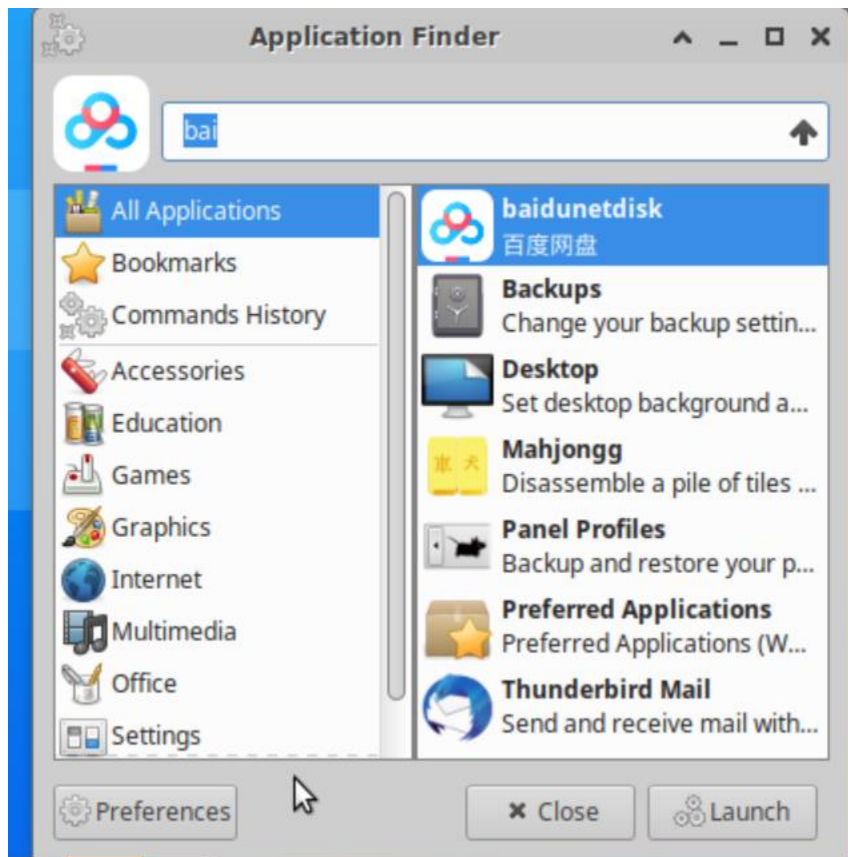
Go to the official platform of baidunetdisk and download the .deb file for Linux.



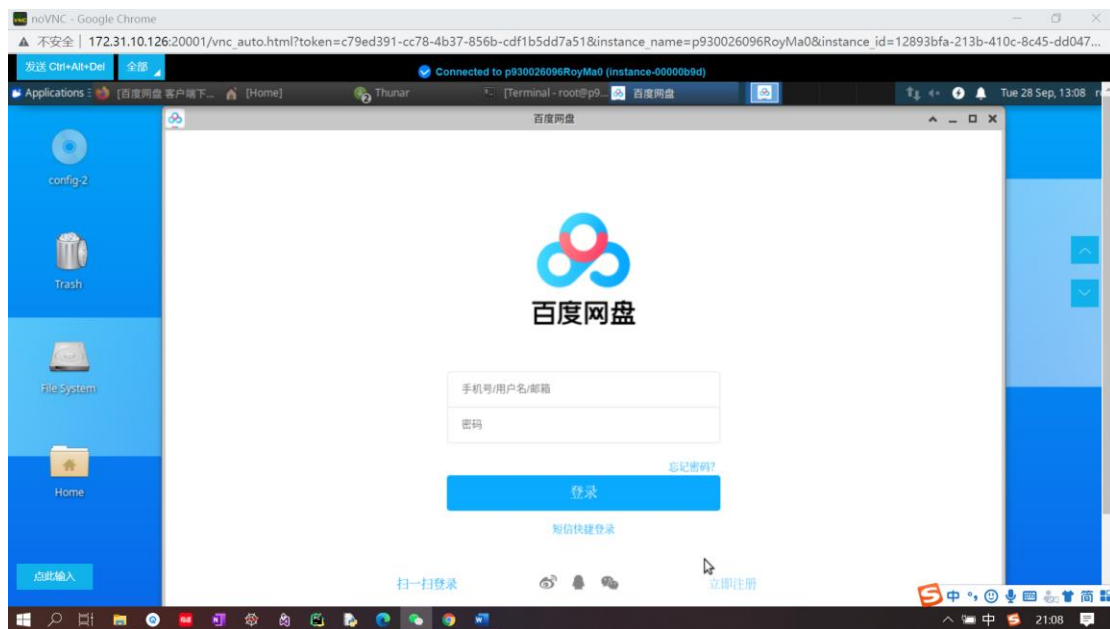
Move the downloaded file to Downloads directory.

```
root@p930026096:~/Downloads# sudo dpkg -i 'baidunetdisk_3.5.0_amd64.deb'
(Reading database ... 264173 files and directories currently installed.)
Preparing to unpack baidunetdisk_3.5.0_amd64.deb ...
Unpacking baidunetdisk (3.5.0) over (3.5.0) ...
Setting up baidunetdisk (3.5.0) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
root@p930026096:~/Downloads#
```

Unpacking the .deb file.



Find the baidunetdisk in application finder.



Successfully download baidunetdisk.