1) there are many kinds of cloud computing applications. Such as-
   a) photo editing software like pixlr - where we can edit pictures from online.
   b)photo bucket – where people can organize images into album in cloud.
   c)some anti viruses which gives service to people through cloud.
   d)e commerce softwares
   e)file storage in online like rapid share.

2)

```
maksud@alam-16201033:~$ sudo apt-get upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
  libllvm9
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
maksud@alam-16201033:~$ sudo apt-get install qb
qbittorrent      qbrew            qbs-dev            qbs-examples
qbittorrent-dbg  qbs              qbs-doc
qbittorrent-nox  qbs-common       qbs-doc-html
maksud@alam-16201033:~$ sudo apt-get install qbittorrent
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm9
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  geoip-database libdouble-conversion3 libgeoip1 libpcre2-16-0 libqt5core5a
  libqt5dbus5 libqt5gui5 libqt5network5 libqt5svg5 libqt5widgets5 libqt5xml5
```

here sudo works like windows as"run as administrator".
apt-get is used for install, update, upgrade or remove any application or package.
Update works like – it updates the databases and let the system know if any new packages available or not. I updated before that's why didn't show in the screenshot.
Upgrade helps to update all available update packages.
By using install command we can install packages.

```
maksud@alam-16201033:~$ sudo apt-get autoremove
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be REMOVED:
  libllvm9
0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.
After this operation, 69.3 MB disk space will be freed.
Do you want to continue? [Y/n]
(Reading database ... 230749 files and directories currently installed.)
Removing libllvm9:amd64 (1:9.0.1-12) ...
Processing triggers for libc-bin (2.31-0ubuntu9) ...
maksud@alam-16201033:~$ cd /
maksud@alam-16201033:/$ cd home
maksud@alam-16201033:/home$ cd alam-16201033
bash: cd: alam-16201033: No such file or directory
maksud@alam-16201033:/home$ cd ..
maksud@alam-16201033:/$ ls
bin     dev    lib    libx32      mnt    root   snap       sys   var
boot    etc    lib32  lost+found  opt    run    srv        tmp
cdrom   home   lib64  media       proc   sbin   swapfile   usr
```

By using remove command we can remove any package that we want to remove.

Auto remove command helps to remove any unnecessary packages.

cd / – takes to the root directory.

Cd home- helps to open home folder in current directory.

cd .. – takes up one directory level.

ls means list. It helps to lists all files and folders in your current working directory.

```
naksud@alam-16201033:~$ history
    1  sudo grub_install --recheck /dev/sda
    2  sudo update-grub
    3  sudo reboot
    4  sudo apt update
    5  sudo apt upgrade
    6  sudo snap install vlc
    7  os-prober
    8  update-grub
    9  update grub
   10  sudo os-prober
   11  update grub
   12  sudo update grub
   13  sudo update-grub
   14  sudo fdisk -1
   15  sudo fdisk --help
   16  su
   17  sudo su
   18  reboot
   19  sudo update-grab
   20  sudo update grub
   21  sudo update-grub
   22  sudo -H gedit /etc/default/grub
```

```
   34  sudo gedit ~/.bashrc
   35  ls
   36  cd
   37  cd/
   38  cd..
   39  cd-
   40  ls
   41  cd
   42  cd/
   43  cd/-
   44  sudo apt-get update
   45  sudo apt-get upgrade
   46  sudo apt-get install qbittorrent
   47  sudo apt-get autoremove
   48  cd /
   49  cd home
   50  cd alam-16201033
   51  cd ..
   52  ls
   53  rmdir
   54  rmdir --help
   55  cd /
   56  cd \
   57  history
```

L
history commands helps to display all previous commands.

```
maksud@alam-16201033:~$ free
              total        used        free      shared  buff/cache   available
Mem:       16282556     1725720    12320052      350072     2236784    13894376
Swap:       1545616           0     1545616
```

free command help to display the amount of free space available on the system.

```
maksud@alam-16201033:~$ uname -a
Linux alam-16201033 5.4.0-42-generic #46-Ubuntu SMP Fri Jul 10 00:24:02 UTC 2020
 x86_64 x86_64 x86_64 GNU/Linux
```

By using uname- a command we can see the basic information of the system.

```
maksud@alam-16201033:~$ df
Filesystem     1K-blocks      Used Available Use% Mounted on
udev             8094456         0   8094456   0% /dev
tmpfs            1628256      1856   1626400   1% /run
/dev/sda9       32642836   9367228  21594356  31% /
tmpfs            8141276    342384   7798892   5% /dev/shm
tmpfs               5120         4      5116   1% /run/lock
tmpfs            8141276         0   8141276   0% /sys/fs/cgroup
/dev/loop1         56320     56320         0 100% /snap/core18/1705
/dev/loop2         63616     63616         0 100% /snap/gtk-common-themes/1506
/dev/loop0        246656    246656         0 100% /snap/gnome-3-34-1804/24
/dev/loop5         30720     30720         0 100% /snap/snapd/8542
/dev/loop6        261760    261760         0 100% /snap/gnome-3-34-1804/36
/dev/loop4         51072     51072         0 100% /snap/snap-store/433
/dev/loop7         51072     51072         0 100% /snap/snap-store/467
/dev/loop3        297472    297472         0 100% /snap/vlc/1700
/dev/loop8         56320     56320         0 100% /snap/core18/1880
```

df commands didplays the information of disk space usage.