

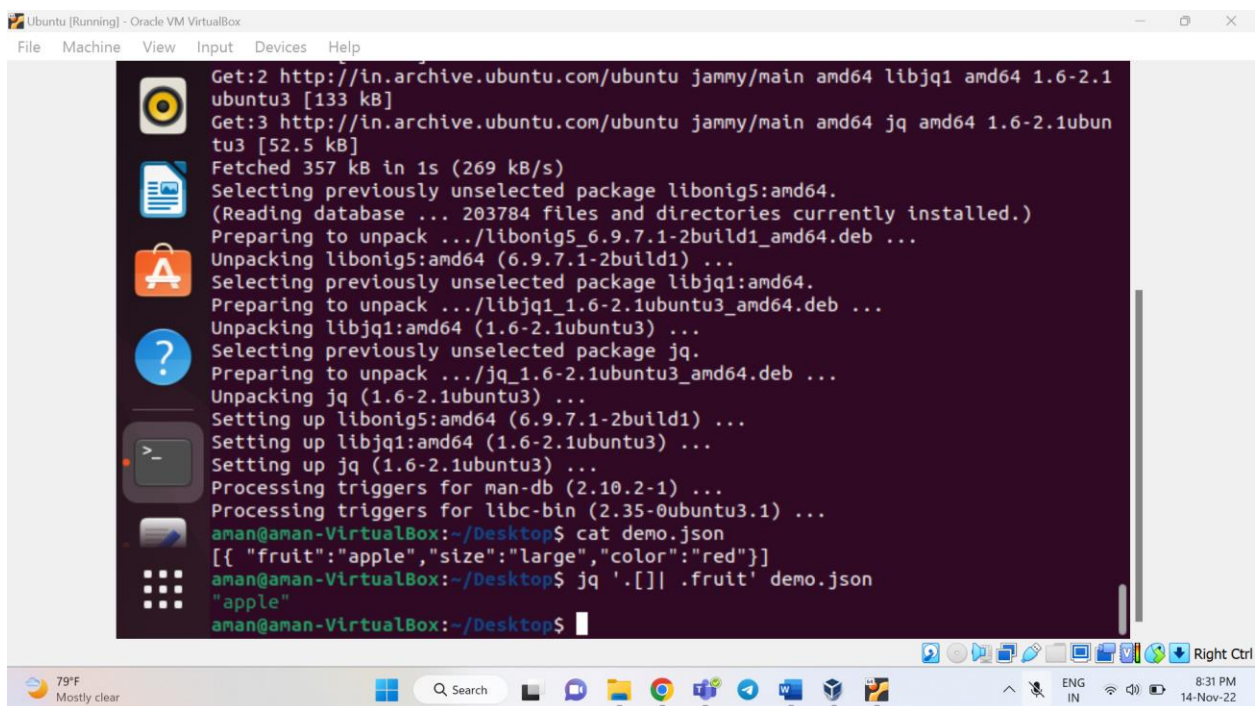
Question : 8

8.

Understand the JSON file below and extract information with the help of **jq**.

**If jq is not installed on ubuntu, install it** and get the value of fruit alone.

```
{
  "fruit": "Apple",
  "size": "Large",
  "color": "Red"
}
```



```
Get:2 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 libjq1 amd64 1.6-2.1ubuntu3 [133 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu jammy/main amd64 jq amd64 1.6-2.1ubuntu3 [52.5 kB]
Fetched 357 kB in 1s (269 kB/s)
Selecting previously unselected package libonig5:amd64.
(Reading database ... 203784 files and directories currently installed.)
Preparing to unpack .../libonig5_6.9.7.1-2build1_amd64.deb ...
Unpacking libonig5:amd64 (6.9.7.1-2build1) ...
Selecting previously unselected package libjq1:amd64.
Preparing to unpack .../libjq1_1.6-2.1ubuntu3_amd64.deb ...
Unpacking libjq1:amd64 (1.6-2.1ubuntu3) ...
Selecting previously unselected package jq.
Preparing to unpack .../jq_1.6-2.1ubuntu3_amd64.deb ...
Unpacking jq (1.6-2.1ubuntu3) ...
Setting up libonig5:amd64 (6.9.7.1-2build1) ...
Setting up libjq1:amd64 (1.6-2.1ubuntu3) ...
Setting up jq (1.6-2.1ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
aman@aman-VirtualBox:~/Desktop$ cat demo.json
[{"fruit":"apple","size":"large","color":"red"}]
aman@aman-VirtualBox:~/Desktop$ jq '.[] | .fruit' demo.json
"apple"
aman@aman-VirtualBox:~/Desktop$
```

Code :

```
aman@aman-VirtualBox:~/Desktop$ cat demo.json
[{"fruit":"apple","size":"large","color":"red"}]
aman@aman-VirtualBox:~/Desktop$ jq '.[] | .fruit' demo.json
```

Command 'jq' not found, but can be installed with:  
sudo snap install jq # version 1.5+dfsg-1, or  
sudo apt install jq # version 1.6-2.1ubuntu3  
See 'snap info jq' for additional versions.

aman@aman-VirtualBox:~/Desktop\$ jq '.fruit' demo.json

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

sudo snap install jq # version 1.5+dfsg-1, or

sudo apt install jq # version 1.6-2.1ubuntu3

See 'snap info jq' for additional versions.

aman@aman-VirtualBox:~/Desktop\$ sudo apt -get install jq

[sudo] password for aman:

E: Command line option 'g' [from -get] is not understood in combination with the other options.

aman@aman-VirtualBox:~/Desktop\$ sudo apt -get install jq

E: Command line option 'g' [from -get] is not understood in combination with the other options.

aman@aman-VirtualBox:~/Desktop\$ sudo apt-get install jq

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver  
intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58  
libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1  
libcodec2-1.0 libdav1d5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1  
libgstreamer-plugins-bad1.0-0 libigdgmm12 libilv-0-0 libmfx1 libmysofa1  
libnorm1 libopenmpt0 libpgm-5.3-0 libpostproc55 librabbitmq4 librubberband2  
libserd-0-0 libshine3 libsnappy1v5 libsord-0-0 libsratom-0-0  
libstr1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5 libudfread0  
libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvidstab1.1  
libx265-199 libxvidcore4 libzim2 libzmq5 libzvbi-common libzvbi0  
mesa-va-drivers mesa-va-drivers mesa-vdpau-drivers pocketsphinx-en-us va-driver-all  
vdpau-driver-all

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libjq1 libonig5

The following NEW packages will be installed:

jq libjq1 libonig5

0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.

Need to get 357 kB of archives.

After this operation, 1,087 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 <http://in.archive.ubuntu.com/ubuntu> jammy/main amd64 libonig5 amd64 6.9.7.1-2build1 [172 kB]

Get:2 <http://in.archive.ubuntu.com/ubuntu> jammy/main amd64 libjq1 amd64 1.6-2.1ubuntu3 [133 kB]

Get:3 <http://in.archive.ubuntu.com/ubuntu> jammy/main amd64 jq amd64 1.6-2.1ubuntu3 [52.5 kB]

Fetched 357 kB in 1s (269 kB/s)

Selecting previously unselected package libonig5:amd64.

(Reading database ... 203784 files and directories currently installed.)

Preparing to unpack .../libonig5\_6.9.7.1-2build1\_amd64.deb ...

Unpacking libonig5:amd64 (6.9.7.1-2build1) ...

```
Selecting previously unselected package libjq1:amd64.  
Preparing to unpack .../libjq1_1.6-2.1ubuntu3_amd64.deb ...  
Unpacking libjq1:amd64 (1.6-2.1ubuntu3) ...  
Selecting previously unselected package jq.  
Preparing to unpack .../jq_1.6-2.1ubuntu3_amd64.deb ...  
Unpacking jq (1.6-2.1ubuntu3) ...  
Setting up libonig5:amd64 (6.9.7.1-2build1) ...  
Setting up libjq1:amd64 (1.6-2.1ubuntu3) ...  
Setting up jq (1.6-2.1ubuntu3) ...  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...  
aman@aman-VirtualBox:~/Desktop$ cat demo.json  
[{"fruit":"apple","size":"large","color":"red"}]  
aman@aman-VirtualBox:~/Desktop$ jq '.[] | .fruit' demo.json  
"apple"
```