

Question 3 :

3.

Write a script which accepts inputs.

The input should be a string. The output should be an base64 encrypted value of the input provided.

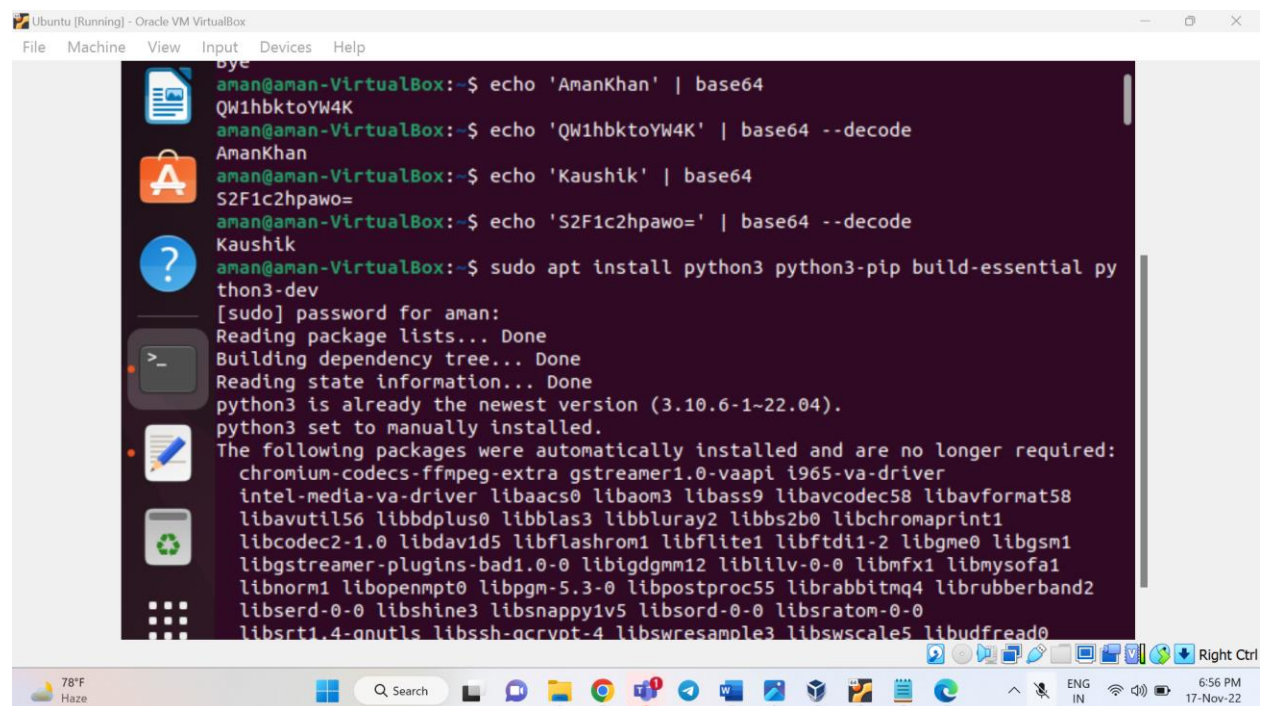
Ex:

encrypt.sh Kaushik

Output:

S2F1c2hpawA=

Solution :



```
aman@aman-VirtualBox:~$ echo 'AmanKhan' | base64
QW1hbkt0YW4K
aman@aman-VirtualBox:~$ echo 'QW1hbkt0YW4K' | base64 --decode
AmanKhan
aman@aman-VirtualBox:~$ echo 'Kaushik' | base64
S2F1c2hpawo=
aman@aman-VirtualBox:~$ echo 'S2F1c2hpawo=' | base64 --decode
Kaushik
aman@aman-VirtualBox:~$ sudo apt install python3 python3-pip build-essential python3-dev
[sudo] password for aman:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3 is already the newest version (3.10.6-1~22.04).
python3 set to manually installed.
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 libdavid5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1
libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libmfx1 libmysofa1
libnorm1 libopenmpt0 libpgm-5.3-0 libpostproc55 librabbitmq4 librubberband2
libserd-0-0 libshine3 libsnappy1v5 libsord-0-0 libsratom-0-0
libsrt1.4-0nutls libssh-ocrypt-4 libswresample3 libswscale5 libudfread0
```

Code :

```
aman@aman-VirtualBox:~$ echo 'AmanKhan' | base64
```

```
QW1hbkt0YW4K
```

```
aman@aman-VirtualBox:~$ echo 'QW1hbkt0YW4K' | base64 --decode
```

```
AmanKhan
```

```
aman@aman-VirtualBox:~$ echo 'Kaushik' | base64
```

```
S2F1c2hpawo=
```

```
aman@aman-VirtualBox:~$ echo 'S2F1c2hpawo=' | base64 --decode
```

```
Kaushik
```