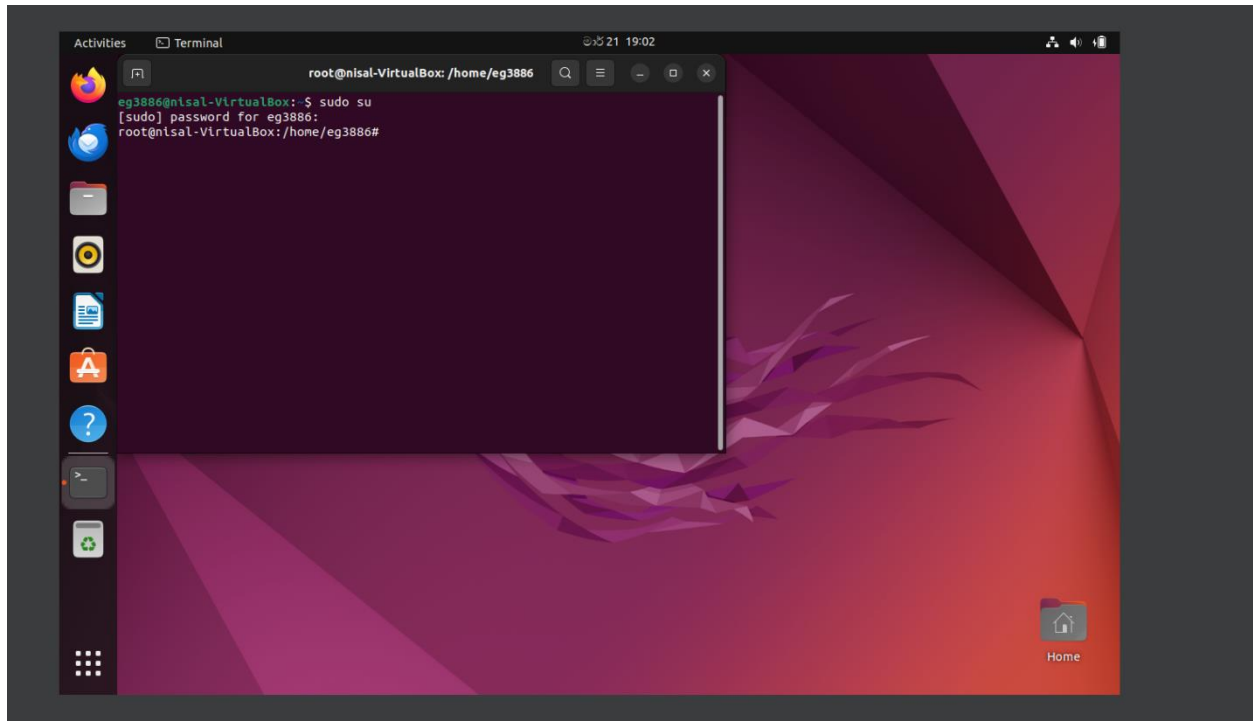


Name : De Zoysa R.N.C.

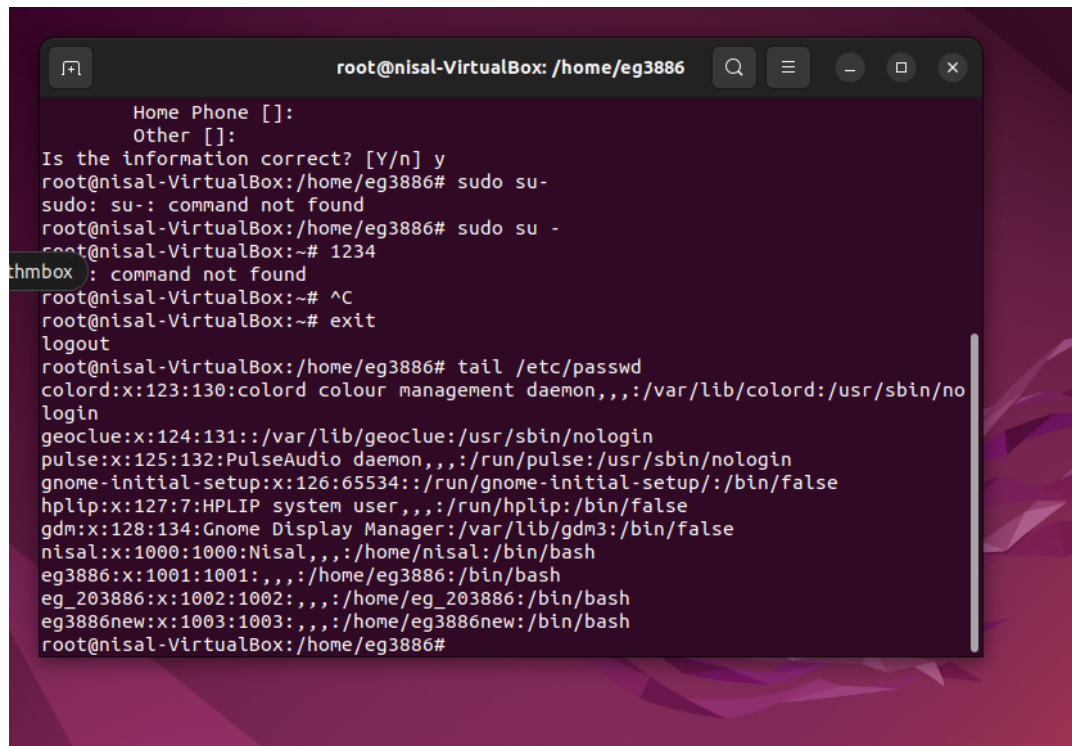
REG No : EG/2020/3886

Q1) /home/scs/staff

Q2)

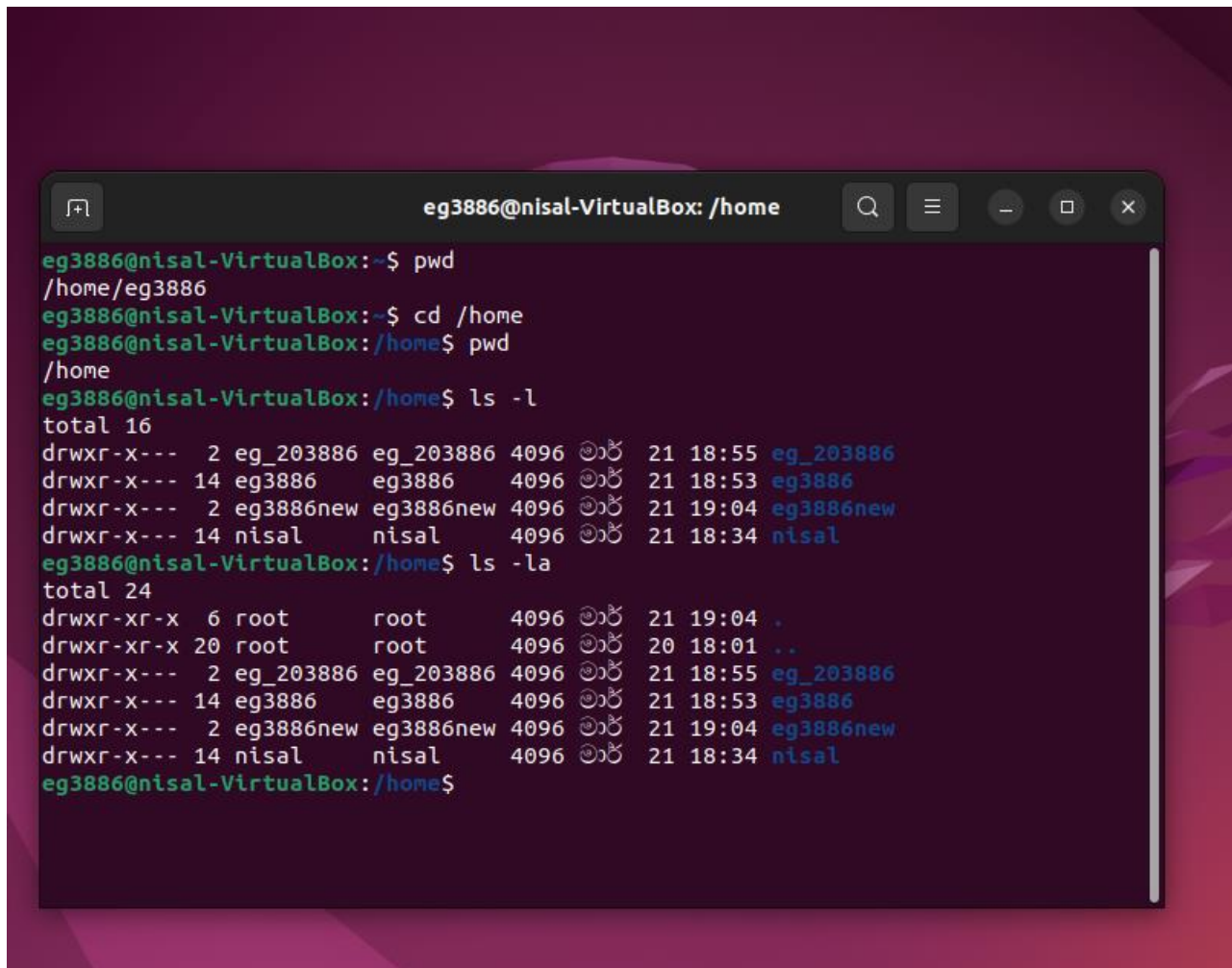


Q3)



```
root@nisal-VirtualBox: /home/eg3886
Home Phone []:
Other []:
Is the information correct? [Y/n] y
root@nisal-VirtualBox:/home/eg3886# sudo su-
sudo: su-: command not found
root@nisal-VirtualBox:/home/eg3886# sudo su -
root@nisal-VirtualBox:~# 1234
chmbox: command not found
root@nisal-VirtualBox:~# ^C
root@nisal-VirtualBox:~# exit
logout
root@nisal-VirtualBox:/home/eg3886# tail /etc/passwd
colord:x:123:130:colord colour management daemon,,:/var/lib/colord:/usr/sbin/no
login
geoclue:x:124:131:./var/lib/geoclue:/usr/sbin/nologin
pulse:x:125:132:PulseAudio daemon,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:126:65534:./run/gnome-initial-setup:/bin/false
hplip:x:127:7:HPLIP system user,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
nisal:x:1000:1000:Nisal,,:/home/nisal:/bin/bash
eg3886:x:1001:1001:,,:/home/eg3886:/bin/bash
eg_203886:x:1002:1002:,,:/home/eg_203886:/bin/bash
eg3886new:x:1003:1003:,,:/home/eg3886new:/bin/bash
root@nisal-VirtualBox:/home/eg3886#
```

Q4)



```
eg3886@nisa1-VirtualBox: /home
eg3886@nisa1-VirtualBox:~$ pwd
/home/eg3886
eg3886@nisa1-VirtualBox:~$ cd /home
eg3886@nisa1-VirtualBox:/home$ pwd
/home
eg3886@nisa1-VirtualBox:/home$ ls -l
total 16
drwxr-x--- 2 eg_203886 eg_203886 4096 21 18:55 eg_203886
drwxr-x--- 14 eg3886 eg3886 4096 21 18:53 eg3886
drwxr-x--- 2 eg3886new eg3886new 4096 21 19:04 eg3886new
drwxr-x--- 14 nisa1 nisa1 4096 21 18:34 nisa1
eg3886@nisa1-VirtualBox:/home$ ls -la
total 24
drwxr-xr-x 6 root root 4096 21 19:04 .
drwxr-xr-x 20 root root 4096 20 18:01 ..
drwxr-x--- 2 eg_203886 eg_203886 4096 21 18:55 eg_203886
drwxr-x--- 14 eg3886 eg3886 4096 21 18:53 eg3886
drwxr-x--- 2 eg3886new eg3886new 4096 21 19:04 eg3886new
drwxr-x--- 14 nisa1 nisa1 4096 21 18:34 nisa1
eg3886@nisa1-VirtualBox:/home$
```

Q5)

- **ls -l** displays the non-hidden files and directories in the current directory.
- **ls -la** command displays detailed information about all files and directories, and also the hidden files as well.
- **-a** stands for all. From this it is telling to include all the files and directories. Because of that **ls-la** showing more files.

Q6)

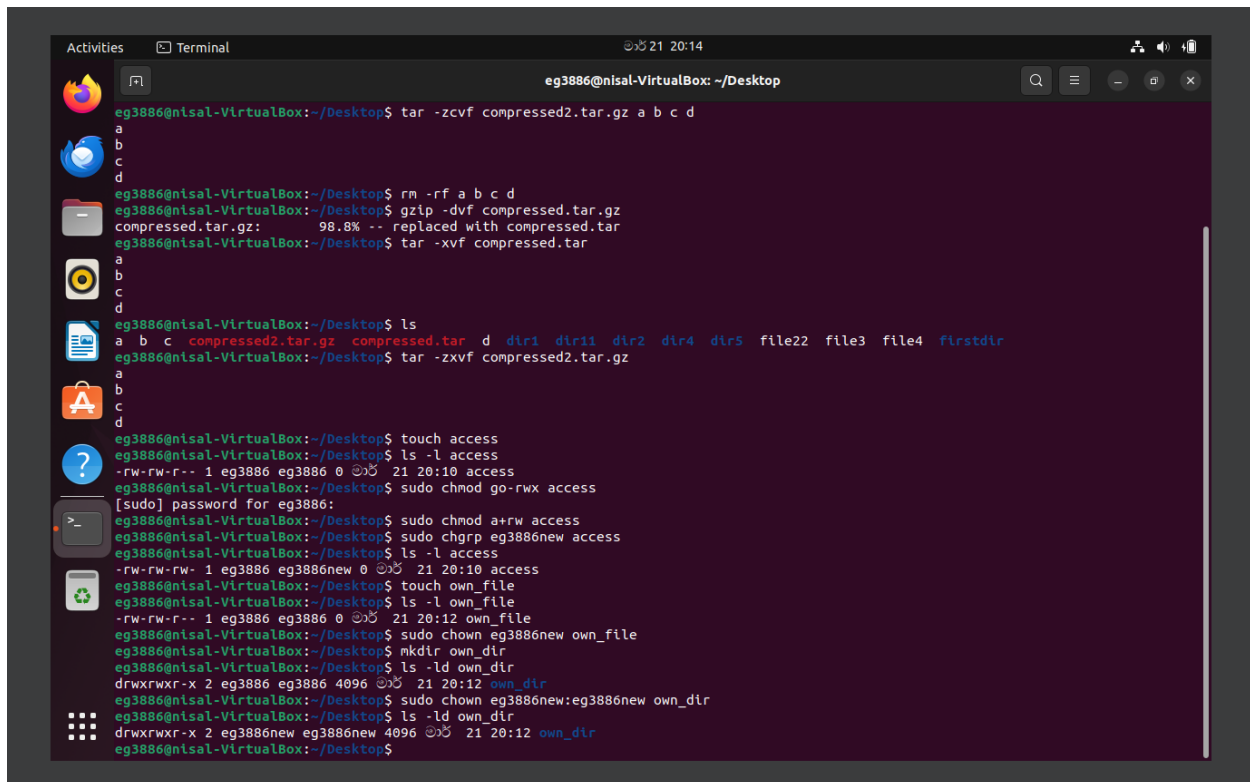
- **-r** is doing recursive copying. It is copying recursively directories and their content.

Q7)

```
Activities Terminal 21 19:58
eg3886@nisa1-VirtualBox: ~/Desktop

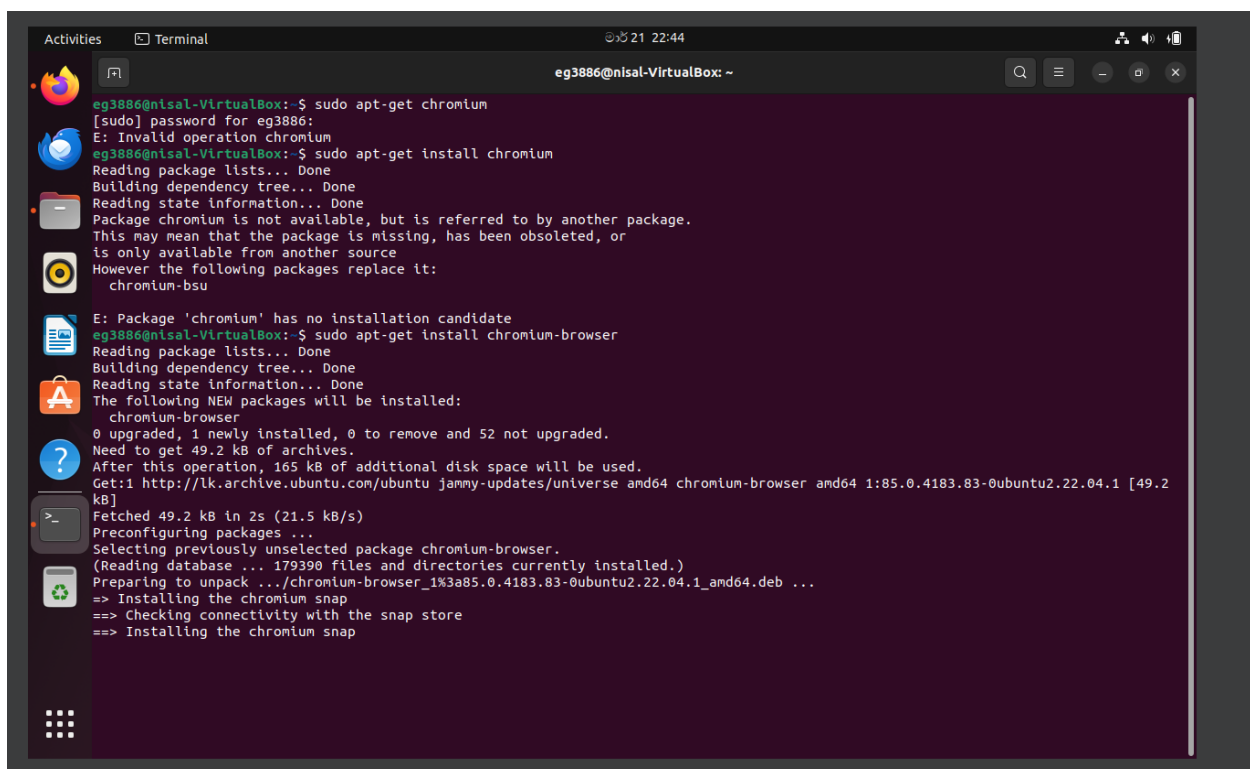
eg3886@nisa1-VirtualBox:~/home$ ls -l
total 16
drwxr-x--- 2 eg_203886 eg_203886 4096 21 18:55 eg_203886
drwxr-x--- 14 eg3886 eg3886 4096 21 18:53 eg3886
drwxr-x--- 2 eg3886new eg3886new 4096 21 19:04 eg3886new
drwxr-x--- 14 nisa1 nisa1 4096 21 18:34 nisa1
eg3886@nisa1-VirtualBox:~/home$ ls -la
total 24
drwxr-xr-x 6 root root 4096 21 19:04
drwxr-xr-x 20 root root 4096 20 18:01
drwxr-x--- 2 eg_203886 eg_203886 4096 21 18:55 eg_203886
drwxr-x--- 14 eg3886 eg3886 4096 21 18:53 eg3886
drwxr-x--- 2 eg3886new eg3886new 4096 21 19:04 eg3886new
drwxr-x--- 14 nisa1 nisa1 4096 21 18:34 nisa1
eg3886@nisa1-VirtualBox:~/home$ cd /desktop
bash: cd: /desktop: No such file or directory
eg3886@nisa1-VirtualBox:~/home$ ls ~
Desktop Documents Downloads Music Pictures Public snap Templates Videos
eg3886@nisa1-VirtualBox:~/home$ cd Desktop
bash: cd: Desktop: No such file or directory
eg3886@nisa1-VirtualBox:~/home$ cd /Desktop
bash: cd: /Desktop: No such file or directory
eg3886@nisa1-VirtualBox:~/home$ ls ~
Desktop Documents Downloads Music Pictures Public snap Templates Videos
eg3886@nisa1-VirtualBox:~/home$ Desktop
Desktop: command not found
eg3886@nisa1-VirtualBox:~/home$ cd ~/Desktop
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir firstdir
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir dir1 dir2
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir -p dir11/dir22/(dir33,dir44)
eg3886@nisa1-VirtualBox:~/Desktop$ ls
dir1 dir11 dir2 firstdir
eg3886@nisa1-VirtualBox:~/Desktop$ re -r dir2
re: command not found
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir dir3
eg3886@nisa1-VirtualBox:~/Desktop$ ls
dir1 dir11 dir2 dir3 firstdir
eg3886@nisa1-VirtualBox:~/Desktop$ rm -r dir3
eg3886@nisa1-VirtualBox:~/Desktop$ touch file1 file2 file3
eg3886@nisa1-VirtualBox:~/Desktop$ mv file1 dir1
eg3886@nisa1-VirtualBox:~/Desktop$ mv file2 file22
eg3886@nisa1-VirtualBox:~/Desktop$ ls
dir1 dir11 dir2 file22 file3 firstdir
eg3886@nisa1-VirtualBox:~/Desktop$ touch file4
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir dir4
eg3886@nisa1-VirtualBox:~/Desktop$ cp file4 dir4
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir5
Command 'mkdir5' not found, did you mean:
  command 'mkdir' from deb coreutils (8.32-4.1ubuntu1)
Try: apt install <deb name>
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir dir5
eg3886@nisa1-VirtualBox:~/Desktop$ cp -r dir4 dir5
eg3886@nisa1-VirtualBox:~/Desktop$ find /root -name file1
find: '/root': Permission denied
eg3886@nisa1-VirtualBox:~/Desktop$
```

Q8)



```
eg3886@nisa1-VirtualBox: ~/Desktop
eg3886@nisa1-VirtualBox:~/Desktop$ tar -zcvf compressed2.tar.gz a b c d
a
b
c
d
eg3886@nisa1-VirtualBox:~/Desktop$ rm -rf a b c d
eg3886@nisa1-VirtualBox:~/Desktop$ gzip -dvf compressed.tar.gz
compressed.tar.gz: 98.8% -- replaced with compressed.tar
eg3886@nisa1-VirtualBox:~/Desktop$ tar -xvf compressed.tar
a
b
c
d
eg3886@nisa1-VirtualBox:~/Desktop$ ls
a b c compressed2.tar.gz compressed.tar d dir1 dir11 dir2 dir4 dir5 file22 file3 file4 firstdir
eg3886@nisa1-VirtualBox:~/Desktop$ tar -zxvf compressed2.tar.gz
a
b
c
d
eg3886@nisa1-VirtualBox:~/Desktop$ touch access
eg3886@nisa1-VirtualBox:~/Desktop$ ls -l access
-rw-rw-r-- 1 eg3886 eg3886 0 21 20:10 access
eg3886@nisa1-VirtualBox:~/Desktop$ sudo chmod go-rwx access
[sudo] password for eg3886:
eg3886@nisa1-VirtualBox:~/Desktop$ sudo chmod a+rw access
eg3886@nisa1-VirtualBox:~/Desktop$ sudo chgrp eg3886new access
eg3886@nisa1-VirtualBox:~/Desktop$ ls -l access
-rw-rw-rw- 1 eg3886 eg3886new 0 21 20:10 access
eg3886@nisa1-VirtualBox:~/Desktop$ touch own_file
eg3886@nisa1-VirtualBox:~/Desktop$ ls -l own_file
-rw-rw-r-- 1 eg3886 eg3886 0 21 20:12 own_file
eg3886@nisa1-VirtualBox:~/Desktop$ sudo chown eg3886new own_file
eg3886@nisa1-VirtualBox:~/Desktop$ mkdir own_dir
eg3886@nisa1-VirtualBox:~/Desktop$ ls -ld own_dir
drwxrwxr-x 2 eg3886 eg3886 4096 21 20:12 own_dir
eg3886@nisa1-VirtualBox:~/Desktop$ sudo chown eg3886new:eg3886new own_dir
eg3886@nisa1-VirtualBox:~/Desktop$ ls -ld own_dir
drwxrwxr-x 2 eg3886new eg3886new 4096 21 20:12 own_dir
eg3886@nisa1-VirtualBox:~/Desktop$
```

Q9)



```
eg3886@nisa1-VirtualBox: ~
eg3886@nisa1-VirtualBox:~$ sudo apt-get chromium
[sudo] password for eg3886:
E: Invalid operation chromium
eg3886@nisa1-VirtualBox:~$ sudo apt-get install chromium
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package chromium is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source
However the following packages replace it:
 chromium-bsu

E: Package 'chromium' has no installation candidate
eg3886@nisa1-VirtualBox:~$ sudo apt-get install chromium-browser
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
 chromium-browser
0 upgraded, 1 newly installed, 0 to remove and 52 not upgraded.
Need to get 49.2 kB of archives.
After this operation, 165 kB of additional disk space will be used.
Get:1 http://lk.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 chromium-browser amd64 1:85.0.4183.83-0ubuntu2.22.04.1 [49.2
kB]
Fetched 49.2 kB in 2s (21.5 kB/s)
Preconfiguring packages ...
Selecting previously unselected package chromium-browser.
(Reading database ... 179390 files and directories currently installed.)
Preparing to unpack .../chromium-browser_1%3a85.0.4183.83-0ubuntu2.22.04.1_amd64.deb ...
==> Installing the chromium snap
==> Checking connectivity with the snap store
==> Installing the chromium snap
```

Q) AWS Task

```
Activities Terminal 22:06
eg3886@nival-VirtualBox: ~/Desktop

Processing triggers for mailcap (3.70+nmuiubuntu1) ...
Processing triggers for fontconfig (2.13.1-4.2ubuntu5) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for libc-bin (2.35-0ubuntu3.6) ...
Setting up awscli (1.22.34-1) ...
eg3886@nival-VirtualBox:~$ aws --version
aws-cli/1.22.34 Python/3.10.12 Linux/6.5.0-18-generic botocore/1.23.34
eg3886@nival-VirtualBox:~$ aws configure
AWS Access Key ID [None]: AKIASLL54JEMIUWYCRV2
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
eg3886@nival-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
eg3886@nival-VirtualBox:~$ cd ~/Desktop
Command 'cs' not found, but can be installed with:
apt install csound
Please ask your administrator.
eg3886@nival-VirtualBox:~/Desktop$ touch python.py
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
python3: can't open file '/home/eg3886/Desktop/python.py': [Errno 2] No such file or directory
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 1, in <module>
    import boto3
ModuleNotFoundError: No module named 'boto3'
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 1, in <module>
    import boto3;
ModuleNotFoundError: No module named 'boto3'
eg3886@nival-VirtualBox:~/Desktop$ pip install boto3
Defaulting to user installation because normal site-packages is not writeable
Collecting boto3
  Downloading boto3-1.34.67-py3-none-any.whl (139 kB)
    Collecting s3transfer<0.11.0,>=0.10.0
    Collecting s3transfer<0.11.0,>=0.10.0
```

```
Activities Terminal 22:07
eg3886@nival-VirtualBox: ~/Desktop

Collecting boto3
  Downloading boto3-1.34.67-py3-none-any.whl (139 kB)
    Collecting s3transfer<0.11.0,>=0.10.0
    Collecting s3transfer<0.11.0,>=0.10.0
    Collecting botocore<1.35.0,>=1.34.67
    Collecting botocore<1.35.0,>=1.34.67
Requirement already satisfied: jmespath<2.0.0,>=0.7.1 in /usr/lib/python3/dist-packages (from boto3) (0.10.0)
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in /usr/lib/python3/dist-packages (from botocore<1.35.0,>=1.34.67->boto3) (2.8.1)
Requirement already satisfied: urllib3!=2.2.0,<3,>=1.25.4 in /usr/lib/python3/dist-packages (from botocore<1.35.0,>=1.34.67->boto3) (1.26.5)
Installing collected packages: botocore, s3transfer, boto3
Successfully installed boto3-1.34.67 botocore-1.34.67 s3transfer-0.10.1
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 19, in <module>
    list_ec2_instances()
  File "/home/eg3886/Desktop/python.py", line 6, in list_ec2_instances
    response = ec2.describe_instances()
  File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 553, in _api_call
    return self._make_api_call(operation_name, kwargs)
  File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 1009, in _make_api_call
    raise error_class(parsed_response, operation_name)
botocore.exceptions.ClientError: An error occurred (AuthFailure) when calling the DescribeInstances operation: AWS was not able to validate the provided access credentials
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 58, in <module>
    if __name__ == "__main__":
NameError: name '__name__' is not defined. Did you mean: '__name__'?
eg3886@nival-VirtualBox:~/Desktop$ aws configure
AWS Access Key ID [AKIASLL54JEMIUWYCRV2]: AKIASLL54JEMIUWYCRV2
AWS Secret Access Key [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]: BeJgUemGDQvxzfvybqXn7u8CHXUCR9TQZGsZlyYJ
Default region name [us-east-1]: us-east-1
Default output format [json]: json
eg3886@nival-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
```

```
Activities Terminal 21 22:07
eg3886@nisa1-VirtualBox: ~/Desktop

File "/home/eg3886/Desktop/python.py", line 19, in <module>
    list_ec2_instances()
File "/home/eg3886/Desktop/python.py", line 6, in list_ec2_instances
    response = ec2.describe_instances()
File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 553, in _api_call
    return self._make_api_call(operation_name, kwargs)
File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 1009, in _make_api_call
    raise error_class(parsed_response, operation_name)
botocore.exceptions.ClientError: An error occurred (AuthFailure) when calling the DescribeInstances operation: AWS was not able to v
alidate the provided access credentials
eg3886@nisa1-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 58, in <module>
    if __name__ == "__main__":
NameError: name '__name__' is not defined. Did you mean: '__name__'?
eg3886@nisa1-VirtualBox:~/Desktop$ aws configure
AWS Access Key ID [*****CRV2]: AKIASLL54JEMIUWYCRV2
AWS Secret Access Key [*****lyYj]: BeJgUemGDQvxzfvybqXn7u8CHXUCr9TQZGsZiYj
Default region name [us-east-1]: us-east-1
Default output format [json]: json
eg3886@nisa1-VirtualBox:~/Desktop$ python3 python.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/python.py", line 58, in <module>
    if __name__ == "__main__":
NameError: name '__name__' is not defined. Did you mean: '__name__'?
eg3886@nisa1-VirtualBox:~/Desktop$ python3 python.py
eg3886@nisa1-VirtualBox:~/Desktop$ touch p.py
eg3886@nisa1-VirtualBox:~/Desktop$ python3 p.py
Traceback (most recent call last):
  File "/home/eg3886/Desktop/p.py", line 19, in <module>
    list_ec2_instances()
  File "/home/eg3886/Desktop/p.py", line 6, in list_ec2_instances
    response = ec2.describe_instances()
  File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 553, in _api_call
    return self._make_api_call(operation_name, kwargs)
  File "/home/eg3886/.local/lib/python3.10/site-packages/botocore/client.py", line 1009, in _make_api_call
    raise error_class(parsed_response, operation_name)
botocore.exceptions.ClientError: An error occurred (AuthFailure) when calling the DescribeInstances operation: AWS was not able to v
alidate the provided access credentials
eg3886@nisa1-VirtualBox:~/Desktop$
```

```
Activities Terminal 21 22:37
eg3886@nisa1-VirtualBox: ~/Desktop

eg3886@nisa1-VirtualBox:~/Desktop
botocore.exceptions.ClientError: An error occurred (AuthFailure) when calling the DescribeInstances operation: AWS was not able to v
alidate the provided access credentials
eg3886@nisa1-VirtualBox:~/Desktop$ python3 python.py
Command 'python3' not found, did you mean:
  command 'python3' from deb python3 (3.10.6-1~22.04)
Try: apt install <deb name>
eg3886@nisa1-VirtualBox:~/Desktop$ python3 python.py
eg3886@nisa1-VirtualBox:~/Desktop$ aws configure
AWS Access Key ID [*****CRV2]: AKIA6CDGBFDXA6GRJ3K4
AWS Secret Access Key [*****lyYj]: 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
Default region name [us-east-1]: us-east-1
Default output format [json]: json
eg3886@nisa1-VirtualBox:~/Desktop$ python3 ec.py
INFO:botocore.credentials:Found credentials in shared credentials file: ~/.aws/credentials
INFO:__main__:===== Your Instances =====
INFO:__main__:No instances found
eg3886@nisa1-VirtualBox:~/Desktop$ python3 ec.py
INFO:botocore.credentials:Found credentials in shared credentials file: ~/.aws/credentials
INFO:__main__:===== Your Instances =====
INFO:__main__:No instances found
eg3886@nisa1-VirtualBox:~/Desktop$ python3 ec.py
INFO:botocore.credentials:Found credentials in shared credentials file: ~/.aws/credentials
INFO:__main__:===== Your Instances =====
INFO:__main__:No instances found
eg3886@nisa1-VirtualBox:~/Desktop$ python3 ec.py
INFO:botocore.credentials:Found credentials in shared credentials file: ~/.aws/credentials
INFO:__main__:===== Your Instances =====
INFO:__main__:No instances found
eg3886@nisa1-VirtualBox:~/Desktop$ python3 ec.py
INFO:botocore.credentials:Found credentials in shared credentials file: ~/.aws/credentials
INFO:__main__:===== Your Instances =====
INFO:__main__:No instances found
eg3886@nisa1-VirtualBox:~/Desktop$
```