**1.** Check the current working directory command, then get a list of all files & folders including hidden file as well as file-size of each file and folder.

2. Then create two folders named as 'intern-2021' & 'rapidops-2021',

```
harshita.singh@RSPL-437:~$ mkdir intern-2021
harshita.singh@RSPL-437:~$ mkdir rapidops-2021
```

**3.** Then create two files within 'intern-2021' folder, names are 'dev.txt' & 'helloworld.txt'

```
harshita.singh@RSPL-437:~$ cd intern-2021
harshita.singh@RSPL-437:~/intern-2021$ touch dev.txt
harshita.singh@RSPL-437:~/intern-2021$ touch helloworld.txt
```

**4.** Then open the 'dev.txt' file and write something in it, and in 'helloworld.txt' file write 'helloworld' using echo command

```
harshita.singh@RSPL-437:~/intern-2021$ nano dev.txt
harshita.singh@RSPL-437:~/intern-2021$ cat dev.txt
hii this is harshita singh
i am writing in dev.txt

harshita.singh@RSPL-437:~/intern-2021$ echo 'helloworld' > helloworld.txt
harshita.singh@RSPL-437:~/intern-2021$ cat helloworld.txt
helloworld
harshita.singh@RSPL-437:~/intern-2021$
```

**5.** Now copy 'dev.txt' and 'helloworld.txt' into **rapidops-2021** folder

```
harshita.singh@RSPL-437:~/rapidops-2021$ cd ..
harshita.singh@RSPL-437:~$ cp intern-2021/dev.txt intern-2021/helloworld.txt rapidops-2021/
```

**6.** Now go to the **rapidops-2021** folder and rename those two (dev.txt, helloworld.txt) files.

```
harshita.singh@RSPL-437:~$ cd rapidops-2021
harshita.singh@RSPL-437:~/rapidops-2021$ mv dev.txt rapidops.txt
harshita.singh@RSPL-437:~/rapidops-2021$ mv helloworld.txt hii.txt
harshita.singh@RSPL-437:~/rapidops-2021$ ls
hii.txt rapidops.txt
```

**7.** In the same directory path, give 'read only' permission to **dev.txt** for file's owner, and for **helloworld.txt** give 'read-write-execute' permission to it's owner & 'read-write' permission to it's group.

```
harshita cingh@RSPL-437:~/rapidops-2021$ chmod 400 rapidops.txt
h Show Applications SPL-437:~/rapidops-2021$ chmod 760 hii.txt
harshita.singh@RSPL-437:~/rapidops-2021$
```

**8.** Now create archive file within same directory and shift into **intern-2021** directory.

```
harshita.singh@RSPL-437:~/rapidops-2021$ tar -cvf archive.tar rapidops.txt hii.txt
```

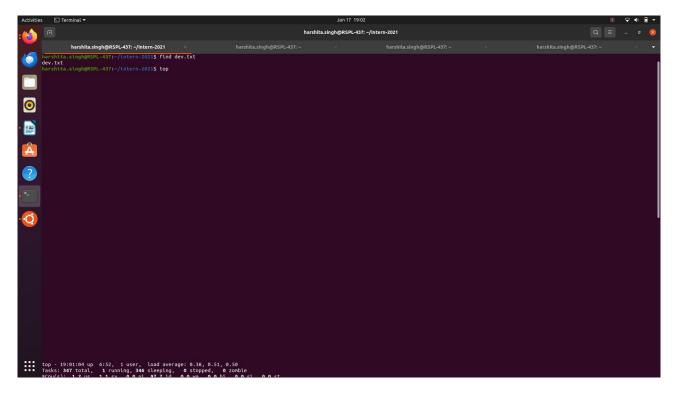
**9.** Now copy that archive file in this directory location and remove that older archive file.

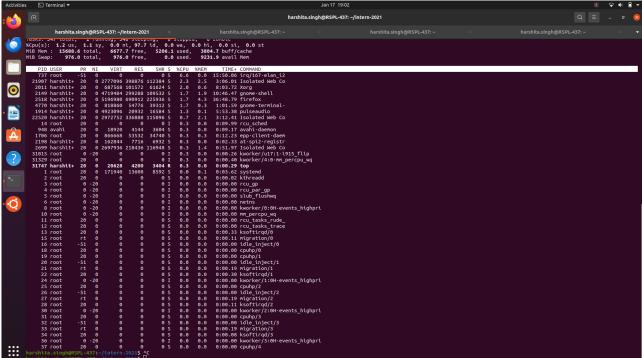
```
Thunderbird Mail RSPL-437:~/intern-2021$ cp ../rapidops-2021/archive.tar . harshita.singh@RSPL-437:~/intern-2021$ rm ../rapidops-2021/archive.tar harshita.singh@RSPL-437:~/intern-2021$
```

10. Using the command find out the dev.txt file.

```
harshita.singh@RSPL-437:~/intern-2021$ find dev.txt dev.txt
```

11. Check the CPU, memory usage using CLI.





12. Check the disk usage and free disk space using CLI.

```
arshita.singh@RSPL-437:~$ df -h
ilesystem
                                  Used Avail Use% Mounted on
                            Size
udev
                            7.6G
                                     0
                                        7.6G
                                               0% /dev
                                        1.6G
                                                1% /run
tmpfs
                            1.6G
                                  2.6M
/dev/mapper/vgubuntu-root
                           466G
                                   11G
                                        432G
                                               3% /
                            7.7G
                                        7.7G
                                  132K
                                               1% /dev/shm
tmpfs
                            5.0M
                                  4.0K
                                        5.0M
                                               1% /run/lock
                                       7.7G
                            7.7G
                                               0% /sys/fs/cgroup
tmpfs
                                     0
/dev/loop0
                           128K
                                  128K
                                           0 100% /snap/bare/5
/dev/loop1
                            62M
                                   62M
                                           0 100% /snap/core20/1611
/dev/loop4
                             55M
                                   55M
                                           0 100% /snap/snap-store/558
/dev/loop2
                           350M
                                  350M
                                           0 100% /snap/gnome-3-38-2004/143
/dev/loop3
                           497M
                                  497M
                                           0 100% /snap/gnome-42-2204/141
/dev/loop7
                            41M
                                   41M
                                           0 100% /snap/snapd/20671
/dev/loop5
                           347M
                                  347M
                                           0 100% /snap/gnome-3-38-2004/115
dev/loop6
                            92M
                                   92M
                                           0 100% /snap/gtk-common-themes/1535
/dev/loop8
                            75M
                                   75M
                                           0 100% /snap/core22/1033
dev/loop9
                            13M
                                  13M
                                           0 100% /snap/snap-store/959
                           1.4G
                                  285M 1.1G
/dev/nvme0n1p2
                                              22% /boot
                                  6.1M 505M
                                               2% /boot/efi
dev/nvme0n1p1
                           511M
tmpfs
                                  116K
                                                1% /run/user/1124203185
                            1.6G
                                        1.6G
/dev/loop10
                            64M
                                   64M
                                           0 100% /snap/core20/2105
/dev/loop11
                           6.5M
                                  6.5M
                                           0 100% /snap/curl/1754
arshita.singh@RSPL-437:~$
```

**13.** Check the all system process and filter out any of one process service using CLI.

14. Retrieve the content from web server using CLI. Here Link

15. Check your network interface information using CLI.

```
harshita.singh@RSPL-437:~$ ifconfig -a

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

apt install net-tools

Please ask your administrator.

harshita.singh@RSPL-437:~$
```