

1)

```
root@student-VirtualBox: /home/student
root@student-VirtualBox:/home/student# ls -l /etc
total 1052
-rwxr-xr-x 3 root root 4096 feb 9 2021 acpi
-rw-r--r-- 1 root root 3028 feb 9 2021 adduser.conf
-rwxr-xr-x 3 root root 4096 feb 9 2021 alsa
-rwxr-xr-x 2 root root 4096 sep 30 16:41 alternatives
-rw-r--r-- 1 root root 401 jul 16 2019 anacrontab
-rw-r--r-- 1 root root 433 oct 2 2017 apg.conf
-rwxr-xr-x 5 root root 4096 feb 9 2021 apm
-rwxr-xr-x 3 root root 4096 feb 9 2021 apparmor
-rwxr-xr-x 7 root root 4096 sep 30 16:42 apparmor.d
-rwxr-xr-x 4 root root 4096 feb 9 2021 appport
-rw-r--r-- 1 root root 769 ene 18 2020 appstream.conf
-rwxr-xr-x 7 root root 4096 sep 30 16:42 apt
-rwxr-xr-x 3 root root 4096 feb 9 2021 avahi
-rw-r--r-- 1 root root 2319 feb 25 2020 bash.bashrc
-rw-r--r-- 1 root root 45 ene 26 2020 bash_completion
-rwxr-xr-x 2 root root 4096 feb 9 2021 bash_completion.d
-rw-r--r-- 1 root root 367 abr 14 2020 bindresvport.blacklist
-rwxr-xr-x 2 root root 4096 abr 22 2020 binfmt.d
-rwxr-xr-x 2 root root 4096 feb 9 2021 bluetooth
-rw-r----- 1 root root 33 feb 9 2021 brlapi.key
-rwxr-xr-x 7 root root 4096 feb 9 2021 brltty
-rw-r--r-- 1 root root 26916 mar 3 2020 brltty.conf
-rwxr-xr-x 3 root root 4096 feb 9 2021 ca-certificates
-rw-r--r-- 1 root root 6569 feb 9 2021 ca-certificates.conf
-rw-r--r-- 1 root root 5713 feb 9 2021 ca-certificates.conf.dpkg-old
-rwxr-xr-x 2 root root 4096 feb 9 2021 calendar
-rwxr-s--- 2 root dip 4096 feb 9 2021 chatscripts
```

2)

```
root@student-VirtualBox:/home/student# touch perm1.txt
root@student-VirtualBox:/home/student# ls -l perm1.txt
-rw-r--r-- 1 root root 0 ene 13 16:05 perm1.txt
root@student-VirtualBox:/home/student#
```

3)

```
root@student-VirtualBox:/home/student# chmod 644 perm1.txt
root@student-VirtualBox:/home/student#
```

4)

```
root@student-VirtualBox:/home/student# nano script.sh
root@student-VirtualBox:/home/student# ls -l script.sh
-rw-r--r-- 1 root root 22 ene 13 16:12 script.sh
root@student-VirtualBox:/home/student#
```

5)

```
root@student-VirtualBox:/home/student# chmod u-r script.sh
root@student-VirtualBox:/home/student# nano script.sh
root@student-VirtualBox:/home/student# ls -l script.sh
--w-r--r-- 1 root root 22 ene 13 16:12 script.sh
root@student-VirtualBox:/home/student#
```

6)

```
root@student-VirtualBox:/home/student# chmod u-w script.sh
root@student-VirtualBox:/home/student# nano script.sh
root@student-VirtualBox:/home/student#
```

7)

```
root@student-VirtualBox:/home/student# chmod 700 script.sh
root@student-VirtualBox:/home/student# ls -l script.sh
-rwx----- 1 root root 31 ene 13 16:21 script.sh
root@student-VirtualBox:/home/student#
```

8)

```
root@student-VirtualBox:/home/student# nano script.sh
root@student-VirtualBox:/home/student#
```

9)

```
root@student-VirtualBox:/home/student# chmod u-r script.sh
root@student-VirtualBox:/home/student# nano script.sh
root@student-VirtualBox:/home/student#
```

10)/11

```
root@student-VirtualBox:/home/student# mkdir systems
root@student-VirtualBox:/home/student# chmod a-w systems
root@student-VirtualBox:/home/student# ls -l systems
total 0
root@student-VirtualBox:/home/student# mv script.sh systems
```

```
root@student-VirtualBox:/home/student# ls
D1 Desktop Downloads Music Pictures systems Videos
D2 Documents file.txt perm1.txt Public Templates
root@student-VirtualBox:/home/student# ls systems
script.sh
root@student-VirtualBox:/home/student#
```

12)

```
root@student-VirtualBox:/home/student# chmod u-r systems
root@student-VirtualBox:/home/student# ls -l systems
total 4
--wx----- 1 root root 40 ene 13 16:30 script.sh
root@student-VirtualBox:/home/student#
```

13)

```
root@student-VirtualBox:/home/student# chmod 744 systems
root@student-VirtualBox:/home/student#
```

14)

```
root@student-VirtualBox:/home/student# chmod u-x systems
root@student-VirtualBox:/home/student# nano systems/script.sh
root@student-VirtualBox:/home/student#
```

15)

```
root@student-VirtualBox:/home/student# chmod u+x systems
root@student-VirtualBox:/home/student#
```

16)

```
root@student-VirtualBox:/home/student# chmod u+x systems
root@student-VirtualBox:/home/student# nano systems/lucy
root@student-VirtualBox:/home/student# nano systems/charles
root@student-VirtualBox:/home/student# chmod a+wx systems/charles
root@student-VirtualBox:/home/student#
```

17)

```
root@student-VirtualBox:/home/student# chmod 562 systems/lucy
root@student-VirtualBox:/home/student#
```