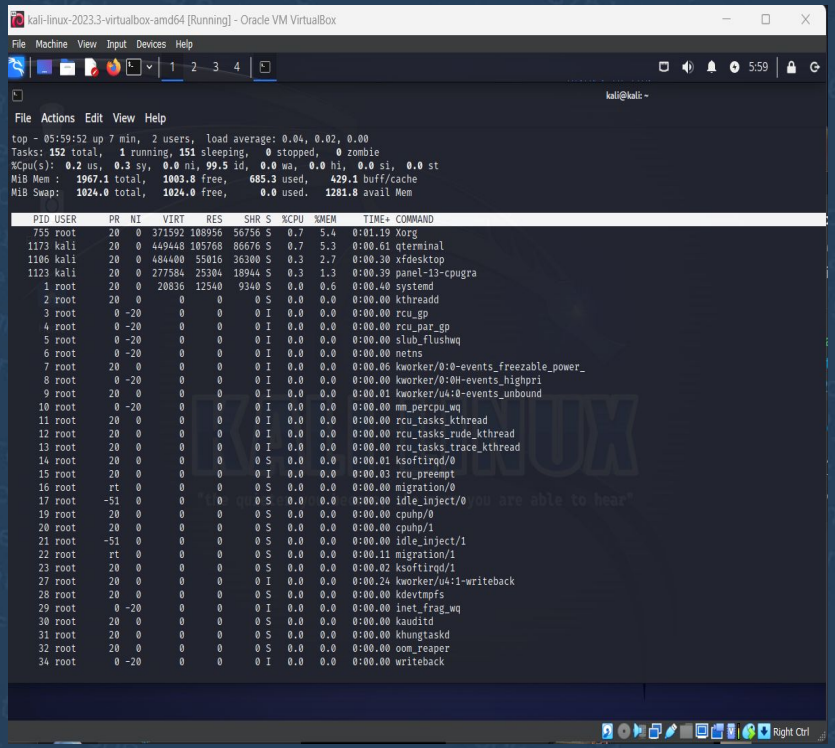
ESERCIZIO S2L2

MATTIA GERARDI

STEP 1: Eseguiamo comando “top” e spiegamo brevemente cosa significano PID, USER e COMMAND



- PID: Identificatore univoco del processo
- USER: Nome dell’utente che ha avviato il processo
- COMMAND: Il comando o il programma che ha generato il processo

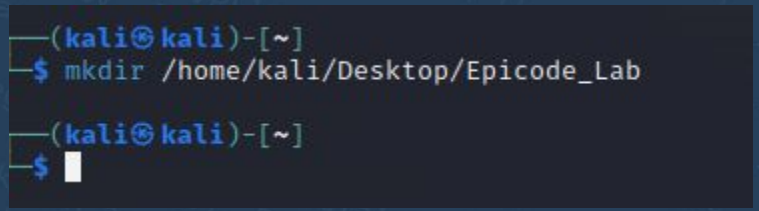
STEP 2: Utilizziamo il comando “top | grep root” per fare un filtraggio dei risultati inerenti all’utente root

```
┌──(kali㉿kali)-[~]
└─$ top | grep root
    1 root      20   0   20836  12540   9340 S   0.0   0.6   0:00.40 systemd
    2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
    3 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_gp
    4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_par+
    5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 slub_fl+
    6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
    7 root      20   0       0      0      0 I   0.0   0.0   0:00.13 kworker+
    8 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker+
    9 root      20   0       0      0      0 I   0.0   0.0   0:00.02 kworker+
   10 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_perc+
   11 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
   12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
   13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
   14 root      20   0       0      0      0 S   0.0   0.0   0:00.02 ksoftir+
   15 root      20   0       0      0      0 I   0.0   0.0   0:00.06 rcu_pre+
   16 root      rt   0       0      0      0 S   0.0   0.0   0:00.00 migrati+
   17 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_in+
```

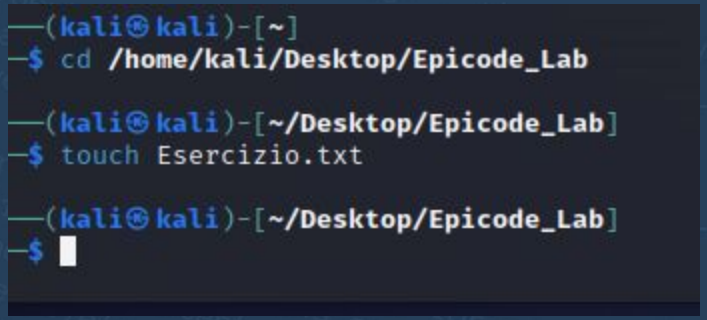
STEP 3: Utilizziamo il comando “top | grep kali” per fare un filtraggio dei risultati inerenti all’utente kali

```
┌──(kali㉿kali)-[~]
└─$ top | grep kali
    993 kali      20   0  217452   3072   2688 S   0.3   0.2   0:00.18 VBoxCli+
   1055 kali      20   0 1020292 104824  78380 S   0.3   5.2   0:00.88 xfwm4
   1123 kali      20   0  277584  30680  19072 S   0.3   1.5   0:00.82 panel-1+
   1125 kali      20   0  431868  30152  20856 S   0.3   1.5   0:00.76 panel-1+
   1123 kali      20   0  277584  30680  19072 S   0.3   1.5   0:00.83 panel-1+
   1001 kali      20   0  217968   3072   2688 S   0.3   0.2   0:00.44 VBoxCli+
```

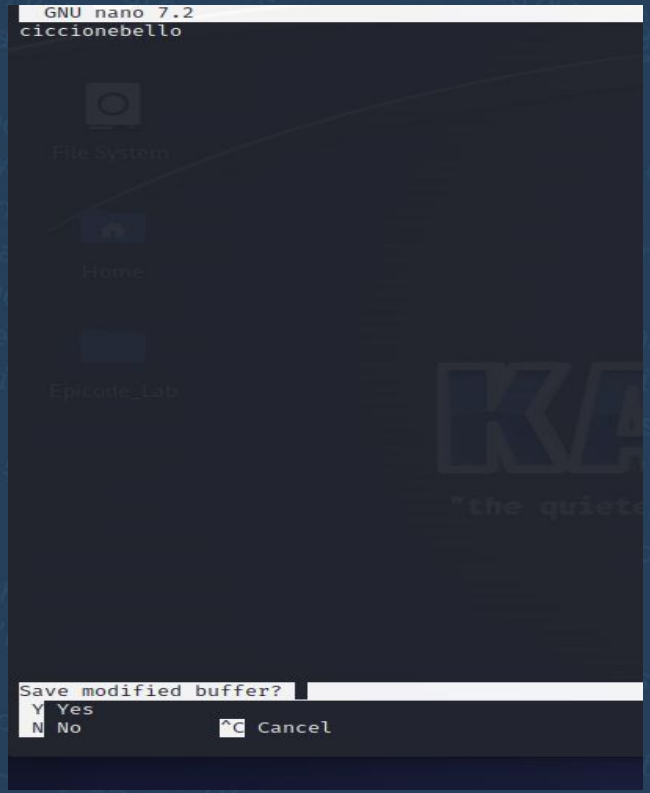
STEP 4: Creazione di una directory

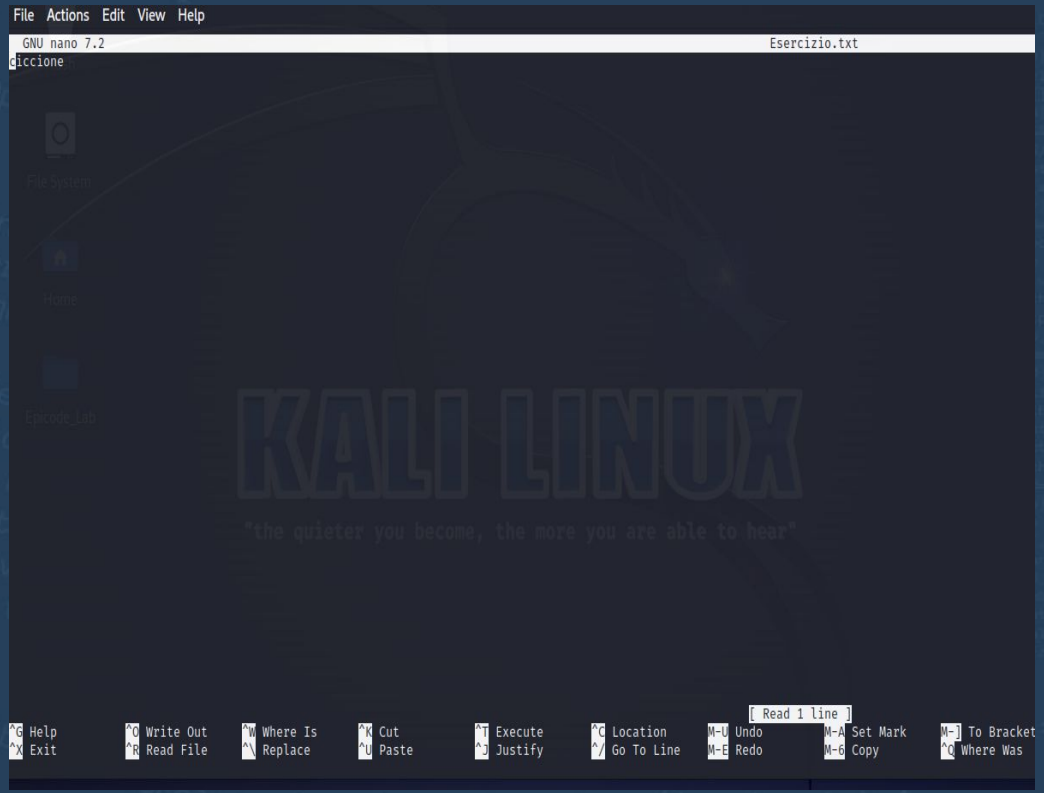


STEP 5: Spostarsi nella nuova directory e creare nuovo file

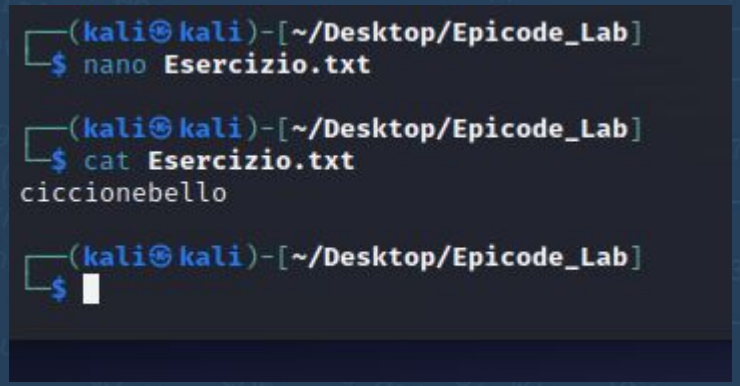


STEP 6: Modificare il file creato e salvarlo

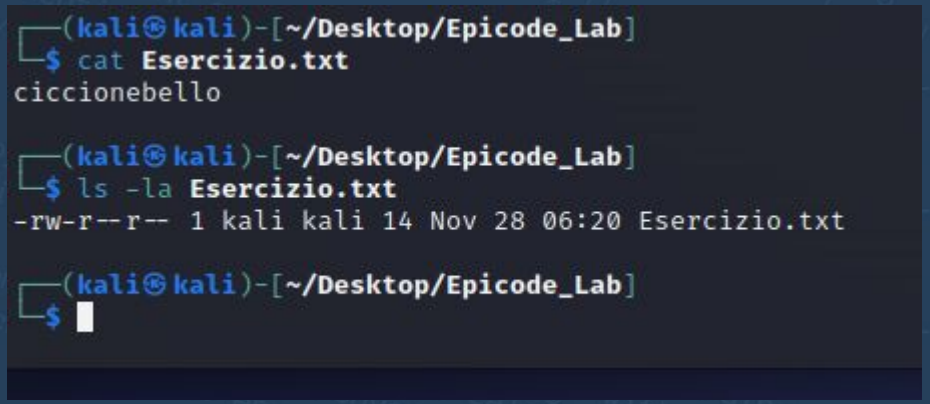




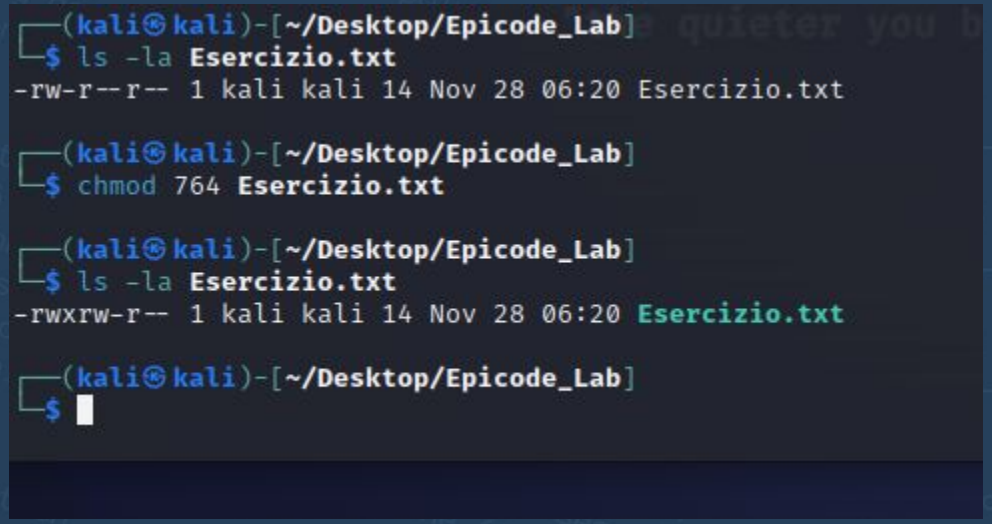
STEP 7: Utilizziamo comando “cat” per leggere a schermo il contenuto del file creato in precedenza



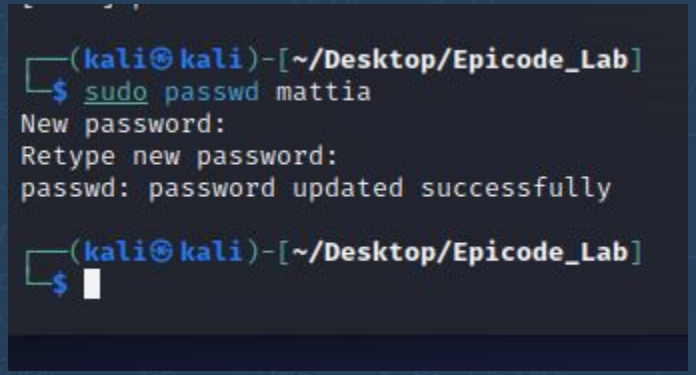
STEP 8: Controllo dei permessi del file con comando ‘’ls -la’’



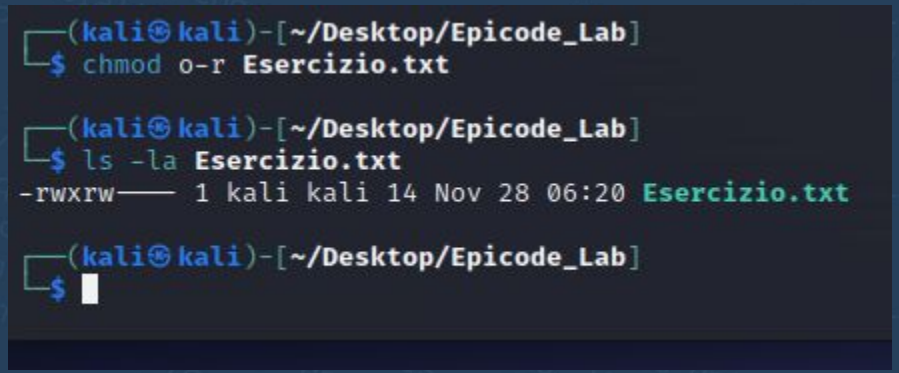
STEP 9: Modifica dei privilegi del file con quelli che richiede l’esercizio



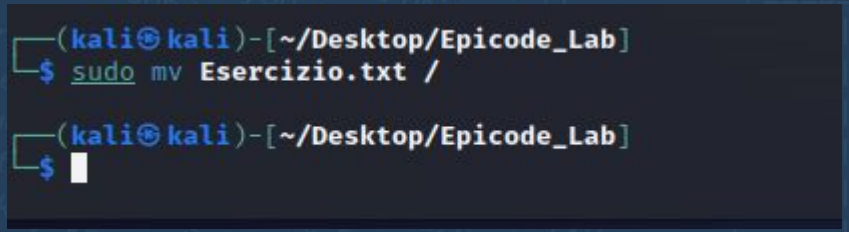
STEP 10: Creazione di un nuovo utente



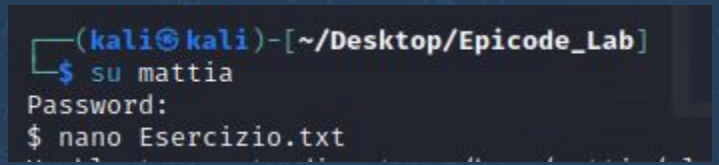
STEP 11: Cambiare privilegi del file per disabilitare agli altri utenti la lettura



STEP 12: Spostare il file nella directory di root ‘/’

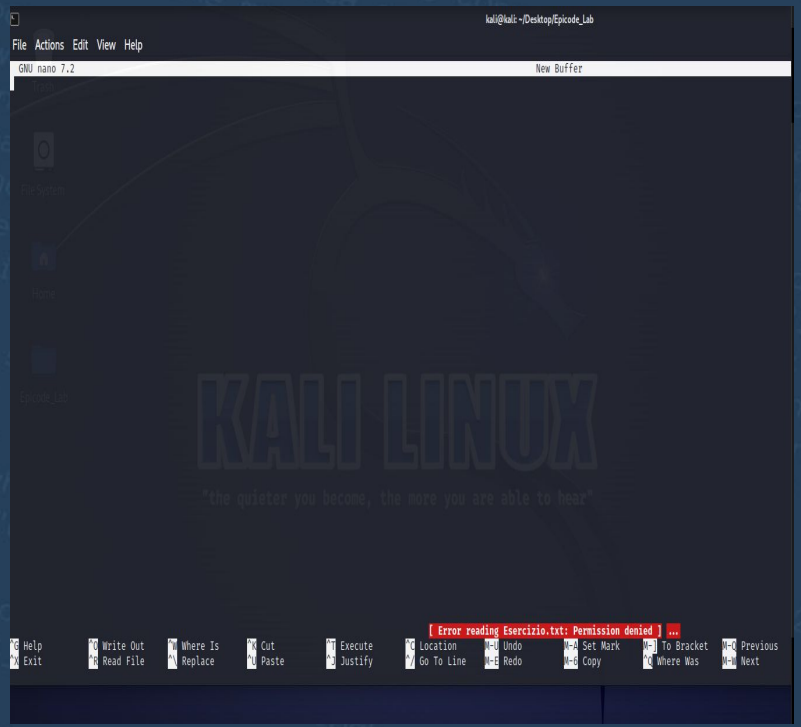


STEP 13: Cambiare utente utilizzando comando ‘su’

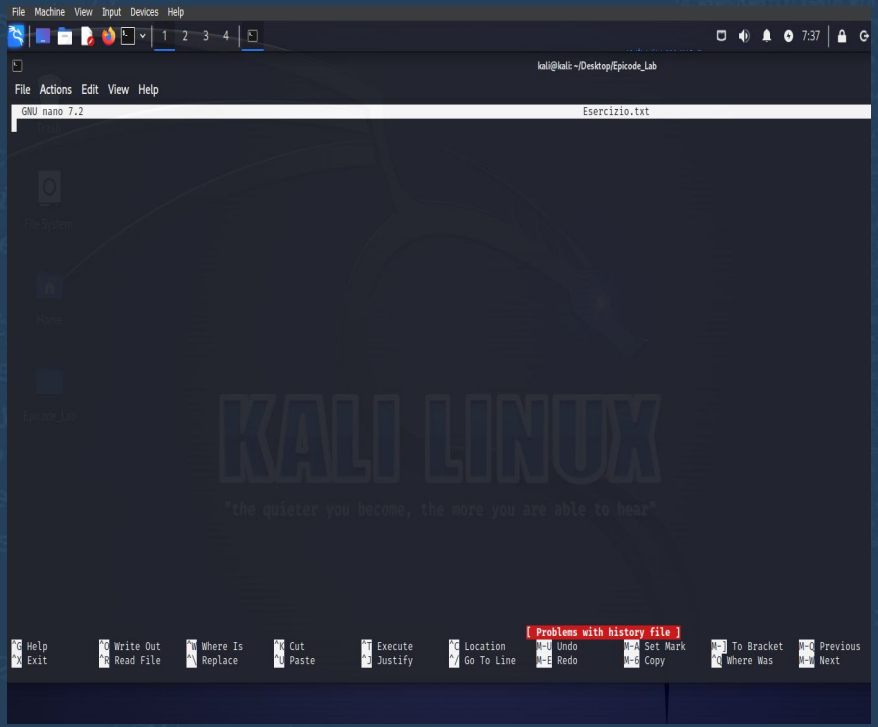


STEP 14: Apertura file con utente nuovo e visualizzazione dell’errore

Se si apre il file mentre si e’ nella directory root ‘/’



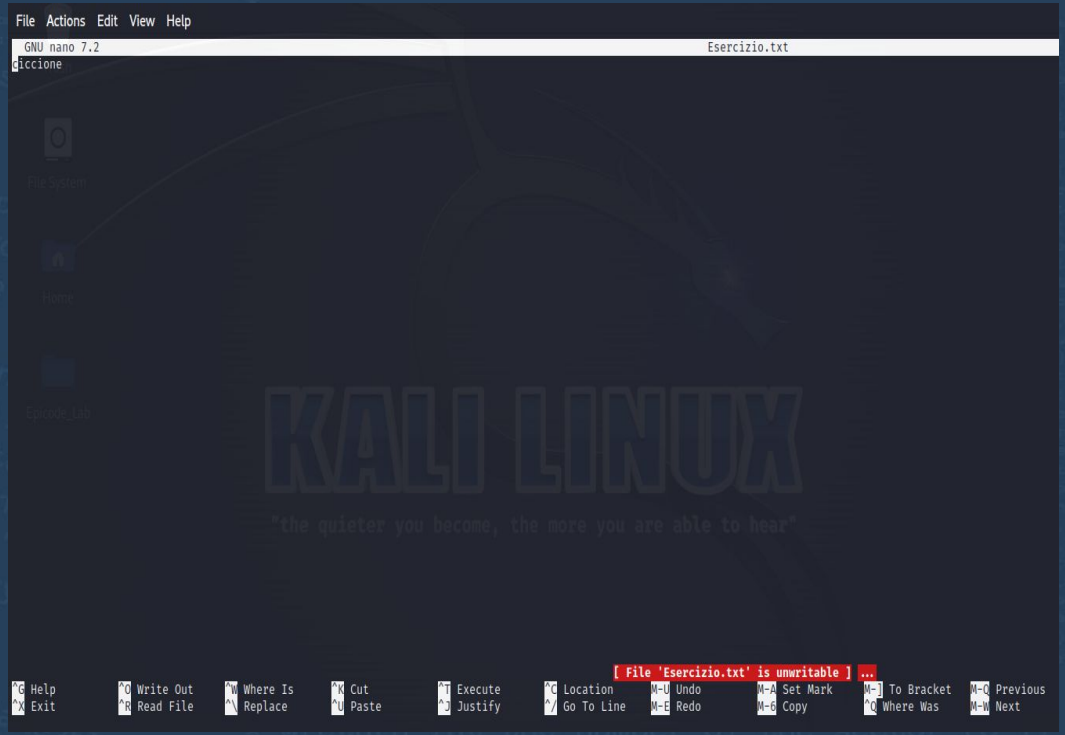
Se si apre il file mentre si e’ nella directory /Epicode_Lab



STEP 15: Modifica dei permessi per poter far leggere ma non scrivere il file al nuovo utente

```
┌──(root㉿kali)-[/]
└─# chmod 764 Esercizio.txt

┌──(root㉿kali)-[/]
└─# ls -la Esercizio.txt
-rwxrw-r-- 1 kali kali 9 Nov 28 06:48 Esercizio.txt
```



STEP 16: Per completare l’esercizio, rimuoviamo file, cartella e l’utente creati

```
┌──(root㉿kali)-[/]
└─# sudo rm /Esercizio.txt

┌──(root㉿kali)-[/]
└─# sudo rmdir /home/kali/Desktop/Epicode_Lab

┌──(root㉿kali)-[/]
└─# sudo userdel mattia

┌──(root㉿kali)-[/]
└─# su mattia
su: user mattia does not exist or the user entry does not contain all the required fields

┌──(root㉿kali)-[/]
└─# cd /home/kali/Desktop/Epicode_Lab
cd: no such file or directory: /home/kali/Desktop/Epicode_Lab

┌──(root㉿kali)-[/]
└─# ls
bin  boot  dev  etc  home  initrd.img  initrd.img.old  lib  lib32  lib64  libx32  lost+found  media  mnt  opt  proc  root  run  sbin  srv  swapfile  sys  tmp  usr  var

┌──(root㉿kali)-[/]
└─# nano Esercizio.txt

┌──(root㉿kali)-[/]
└─#
```