

Tarefa 1. Revisões sobre os comandos em Linux

Tarefa 1

Enunciado:

```
GNU nano 8.2 enunciado.txt *
#####Revisões sobre os comandos de Linux #####

Criar uma pasta na diretoria /home chamada Problemas
Criar um ficheiro problemas.txt dentro da pasta Problemas
Mudar a extensão do ficheiro problemas.txt para problemas.sh
Tornar o ficheiro problemas.sh como executável
Criar um script que:
  -Peca ao utilizador quantos números quer introduzir
  -Se o utilizador introduzir por exemplo o número 5
  -Vai aparecer a opcao introduza o primeiro numero, segundo, terceiro...até ao quinto
  -Depois de introduzir os 5 números deve calcular a soma dos cinco números
  -Depois da soma feita deve apresentar a média desses cinco números introduzidos
Sair do script
Criar dois utilizadores : user1 e user2 com passwords passwd1 e passwd2
Apagar o utilizador user2
Executar o comando 25 do historico
```

Captura 1: Criar pasta, criar ficheiro e tornar o ficheiro executável.



```
root@kali: /home/Problemas
File Actions Edit View Help

(morim@kali)-[/home]
$ mkdir Problemas
mkdir: cannot create directory 'Problemas': Permission denied

(morim@kali)-[/home]
$ sudo su
[sudo] password for morim:
(root@kali)-[/home]
# mkdir Problemas
File System
(root@kali)-[/home]
# ls
Problemas  exercicio.doc  morim  primeiro_script.sh  teste

(root@kali)-[/home]
# cd Problemas

(root@kali)-[/home/Problemas]
# touch problemas.txt

(root@kali)-[/home/Problemas]
# mv problemas.txt problemas.sh

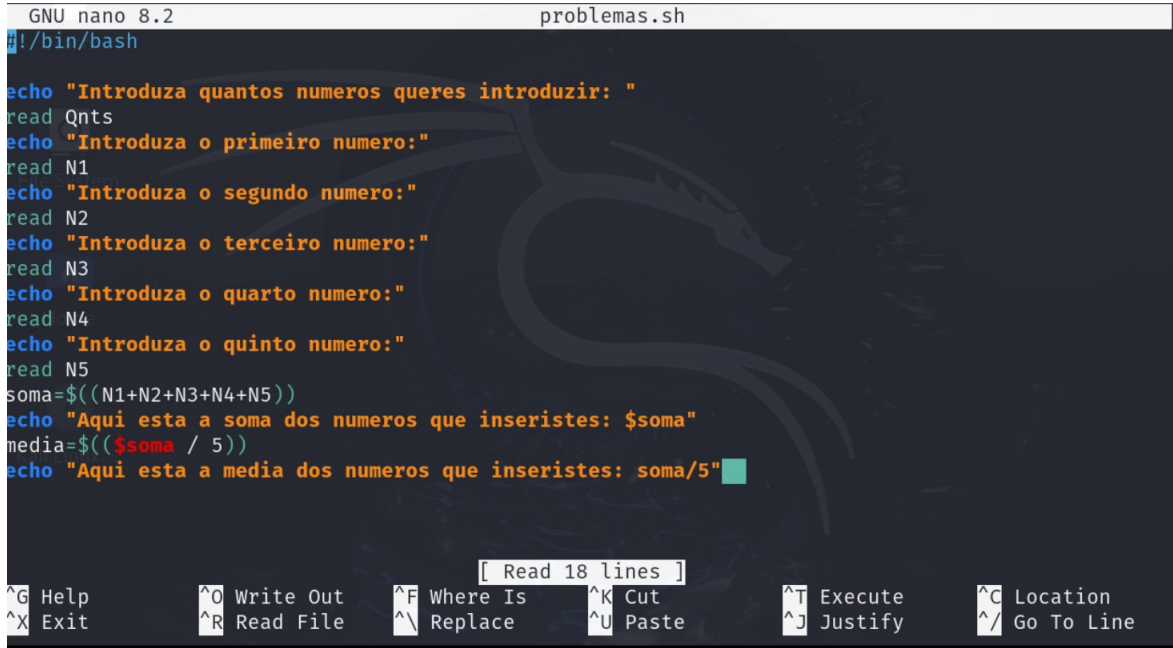
(root@kali)-[/home/Problemas]
# ls
problemas.sh

(root@kali)-[/home/Problemas]
# chmod +x problemas.sh

(root@kali)-[/home/Problemas]
# ls
problemas.sh

(root@kali)-[/home/Problemas]
#
```

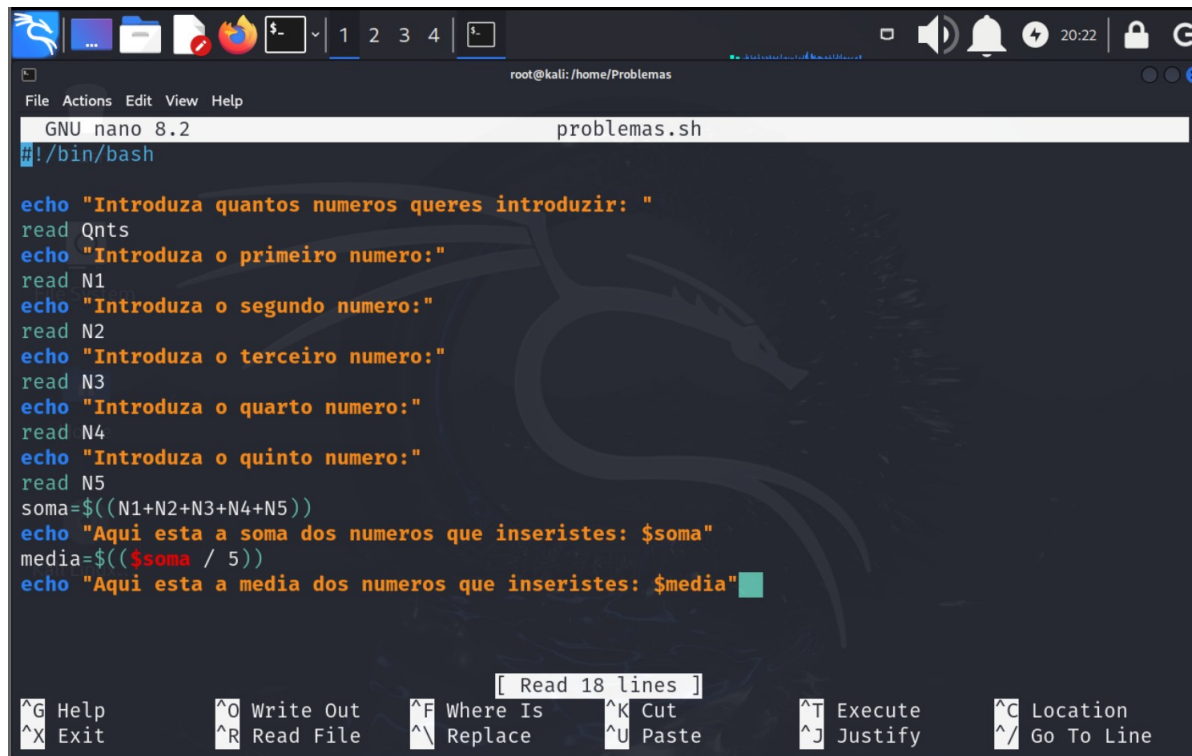
Captura 2: Script sem sucesso



```
GNU nano 8.2      problemas.sh
#!/bin/bash

echo "Introduza quantos numeros queres introduzir: "
read Qnts
echo "Introduza o primeiro numero:"
read N1
echo "Introduza o segundo numero:"
read N2
echo "Introduza o terceiro numero:"
read N3
echo "Introduza o quarto numero:"
read N4
echo "Introduza o quinto numero:"
read N5
soma=$((N1+N2+N3+N4+N5))
echo "Aqui esta a soma dos numeros que inseristes: $soma"
media=$((($soma / 5))
echo "Aqui esta a media dos numeros que inseristes: soma/5"
```

Captura 3: Script com sucesso



```
GNU nano 8.2      problemas.sh
#!/bin/bash

echo "Introduza quantos numeros queres introduzir: "
read Qnts
echo "Introduza o primeiro numero:"
read N1
echo "Introduza o segundo numero:"
read N2
echo "Introduza o terceiro numero:"
read N3
echo "Introduza o quarto numero:"
read N4
echo "Introduza o quinto numero:"
read N5
soma=$((N1+N2+N3+N4+N5))
echo "Aqui esta a soma dos numeros que inseristes: $soma"
media=$((($soma / 5))
echo "Aqui esta a media dos numeros que inseristes: $media"
```

A linha `read Qnts` não tem função alguma. Será necessária quando formos aprimorar este script para ter função recursiva, que eu não tenho a mínima ideia de como seja, mas penso que funcione tal que o script só irá fazer as perguntas em referência ao que o usuário introduzir na variável `Qnts` da segunda linha do script.

Captura 4: criar dois utilizadores

```
root@kali: /home/Problemas
File Actions Edit View Help
(root@kali)~/home/Problemas
$ adduser user1
info: Adding user `user1' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `user1' (1001) ...
info: Adding new user `user1' (1001) with group `user1 (1001)' ...
info: Creating home directory `/home/user1' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user1
Enter the new value, or press ENTER for the default
  Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
info: Adding new user `user1' to supplemental / extra groups `users' ...
info: Adding user `user1' to group `users' ...

(root@kali)~/home/Problemas
$ adduser user2
info: Adding user `user2' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `user2' (1002) ...
info: Adding new user `user2' (1002) with group `user2 (1002)' ...
info: Creating home directory `/home/user2' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user2
Enter the new value, or press ENTER for the default
  Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n]
info: Adding new user `user2' to supplemental / extra groups `users' ...
info: Adding user `user2' to group `users' ...

(root@kali)~/home/Problemas
$
```

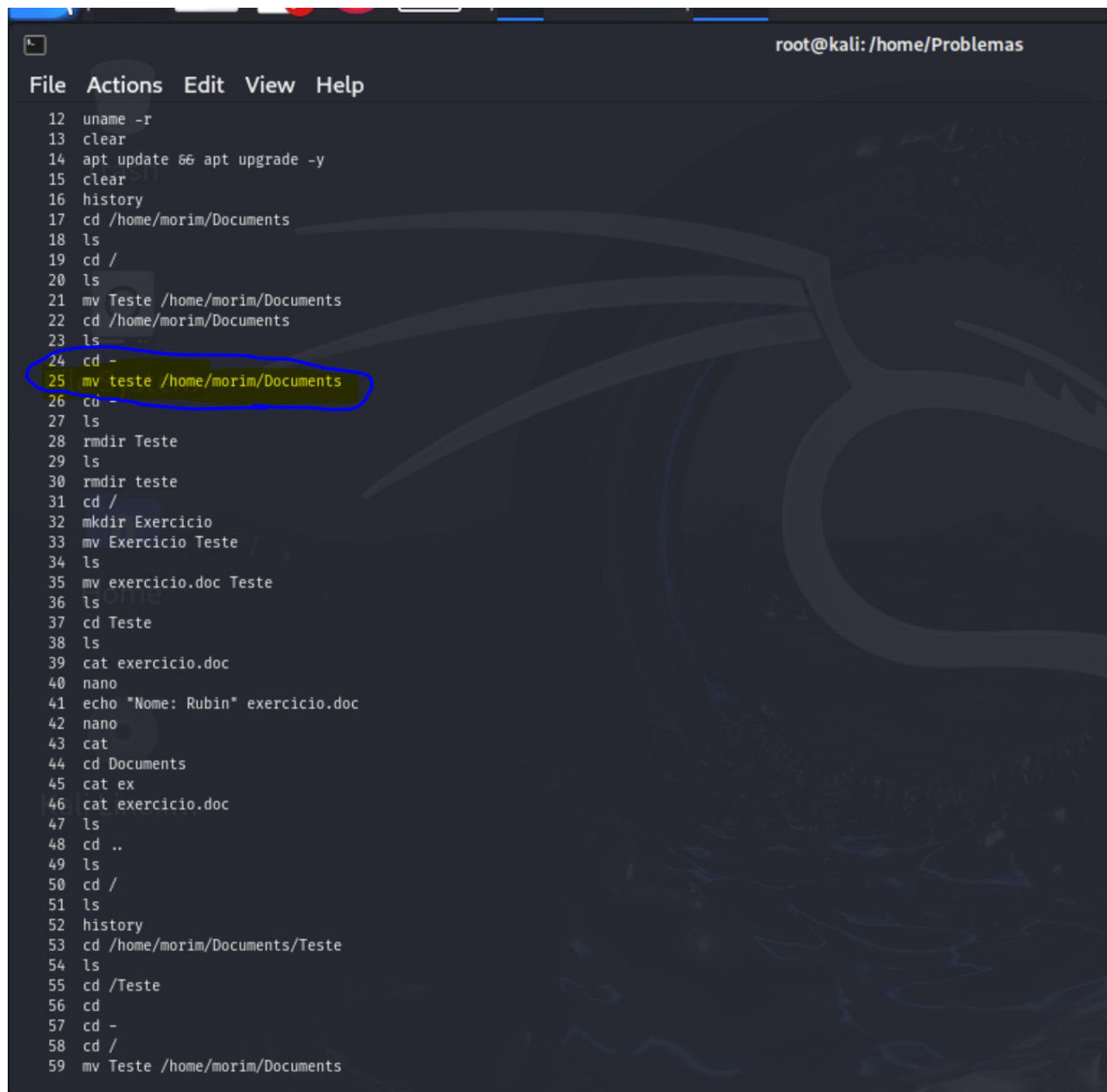
Captura 5 apagando usuário

```
root@kali: /home/Problemas
File Actions Edit View Help
(root@kali)~/home/Problemas
$ adduser user2
info: Adding user `user2' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `user2' (1002) ...
info: Adding new user `user2' (1002) with group `user2 (1002)' ...
info: Creating home directory `/home/user2' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user2
Enter the new value, or press ENTER for the default
  Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n]
info: Adding new user `user2' to supplemental / extra groups `users' ...
info: Adding user `user2' to group `users' ...

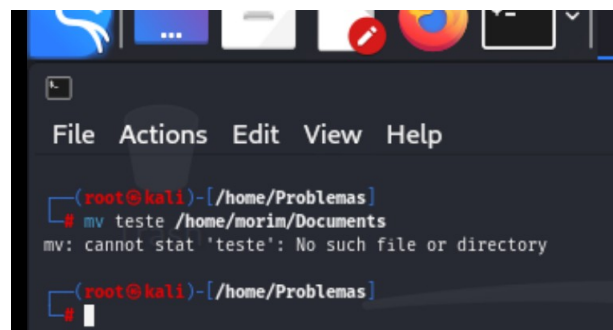
(root@kali)~/home/Problemas
$ deluser user2
info: Removing crontab ...
info: Removing user `user2' ...

(root@kali)~/home/Problemas
$
```

Capturas 6 e 7 para executar o comando 25:



```
root@kali: /home/Problemas
File Actions Edit View Help
12 uname -r
13 clear
14 apt update && apt upgrade -y
15 clear
16 history
17 cd /home/morim/Documents
18 ls
19 cd /
20 ls
21 mv Teste /home/morim/Documents
22 cd /home/morim/Documents
23 ls
24 cd -
25 mv teste /home/morim/Documents
26 cd -
27 ls
28 rmdir Teste
29 ls
30 rmdir teste
31 cd /
32 mkdir Exercicio
33 mv Exercicio Teste
34 ls
35 mv exercicio.doc Teste
36 ls
37 cd Teste
38 ls
39 cat exercicio.doc
40 nano
41 echo "Nome: Rubin" exercicio.doc
42 nano
43 cat
44 cd Documents
45 cat ex
46 cat exercicio.doc
47 ls
48 cd ..
49 ls
50 cd /
51 ls
52 history
53 cd /home/morim/Documents/Teste
54 ls
55 cd /Teste
56 cd
57 cd -
58 cd /
59 mv Teste /home/morim/Documents
```



```
(root@kali)-[/home/Problemas]
# mv teste /home/morim/Documents
mv: cannot stat 'teste': No such file or directory

(root@kali)-[/home/Problemas]
#
```

Tarefa 2

1. IP's e DNS do <https://hackertype.net/>

```
root@kali: /home/Problemas

File Actions Edit View Help

(root@kali)-[/home/Problemas]
# ping -c 4 hackertype.net
PING hackertype.net (185.53.177.53) 56(84) bytes of data.
64 bytes from 185.53.177.53: icmp_seq=1 ttl=128 time=60.1 ms
64 bytes from 185.53.177.53: icmp_seq=2 ttl=128 time=59.3 ms
64 bytes from 185.53.177.53: icmp_seq=3 ttl=128 time=55.6 ms
64 bytes from 185.53.177.53: icmp_seq=4 ttl=128 time=56.2 ms

— hackertype.net ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3003ms
rtt min/avg/max/mdev = 55.586/57.803/60.127/1.961 ms

(root@kali)-[/home/Problemas]
# nslookup www.hackertype.net
Server:      192.168.48.2
Address:     192.168.48.2#53

Non-authoritative answer:
Name:   www.hackertype.net
Address: 185.53.177.53

(root@kali)-[/home/Problemas]
```

2.

hackertype.net

Technology stack

Development
 styled-components (5.3.10) Emotion

Caching
 Varnish

PaaS
 GitHub Pages

JavaScript frameworks
 Redux styled-components (5.3.10)
 React Emotion

Font scripts
 Google Font API

CDN
 Fastly

Miscellaneous
 PWA

About

Get Plus for \$10/mo
Sign up for **Plus** to include company and contact details in technology lookups.
[Sign up](#)

Metadata
Title
Hacker Typer
Description
The original HackerTyper. Turning all your hacker dreams into pseudo reality since 2011.

Company information [PLUS](#)
[Sign up to reveal](#)

Inferred company name
HackerTyper

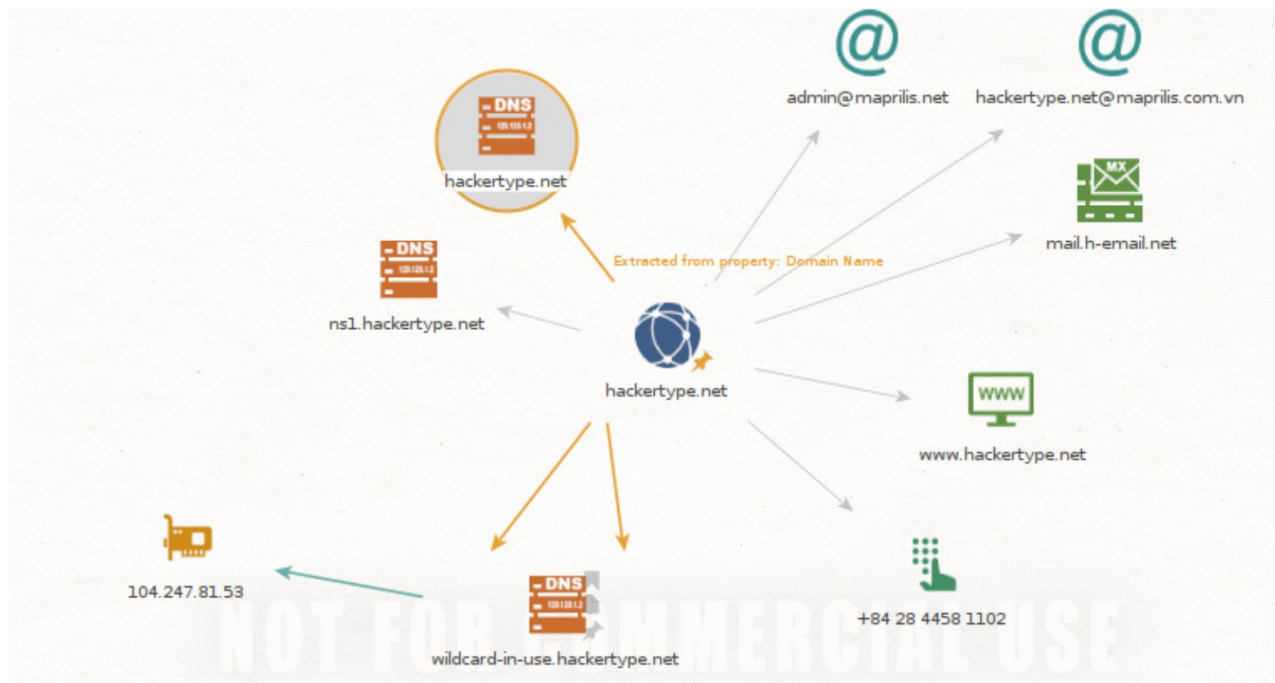
Signals [PLUS](#)
[Sign up to reveal](#)

Technology spend
\$0.00

Locale
Country
United States
Countries
United States
Languages
English

Security
SSL/TLS enabled
✓

3.



Fim

Perguntas:

- O que define se é, ou não, necessário inserir “www” antes de um URL, seja em browser, seja em aplicações como Maltego?