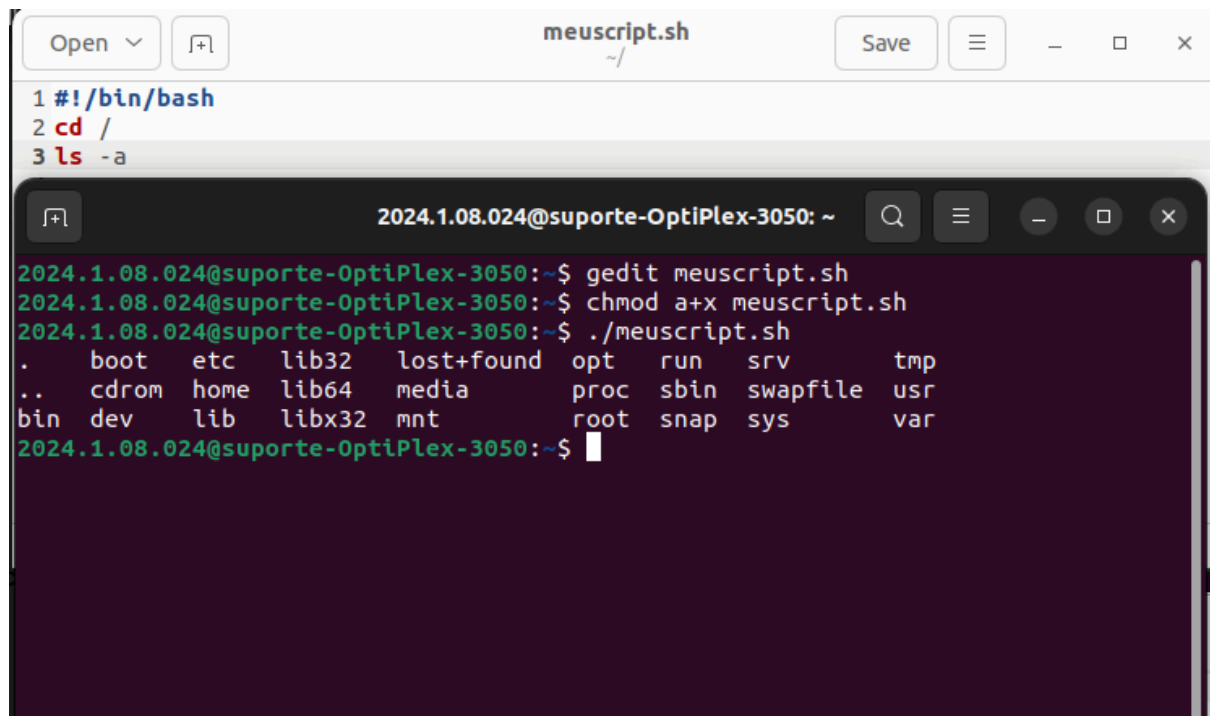


Lista 5- Diogo Peixoto Rossini

2024.1.08.024

1-



```
1 #!/bin/bash
2 cd /
3 ls -a
```

```
2024.1.08.024@suporte-OptiPlex-3050: ~$ gedit meuscript.sh
2024.1.08.024@suporte-OptiPlex-3050:~$ chmod a+x meuscript.sh
2024.1.08.024@suporte-OptiPlex-3050:~$ ./meuscript.sh
.   boot  etc   lib32  lost+found  opt  run  srv   tmp
..  cdrom home lib64  media      proc sbin swapfile usr
bin dev   lib  libx32 mnt       root snap sys   var
2024.1.08.024@suporte-OptiPlex-3050:~$
```

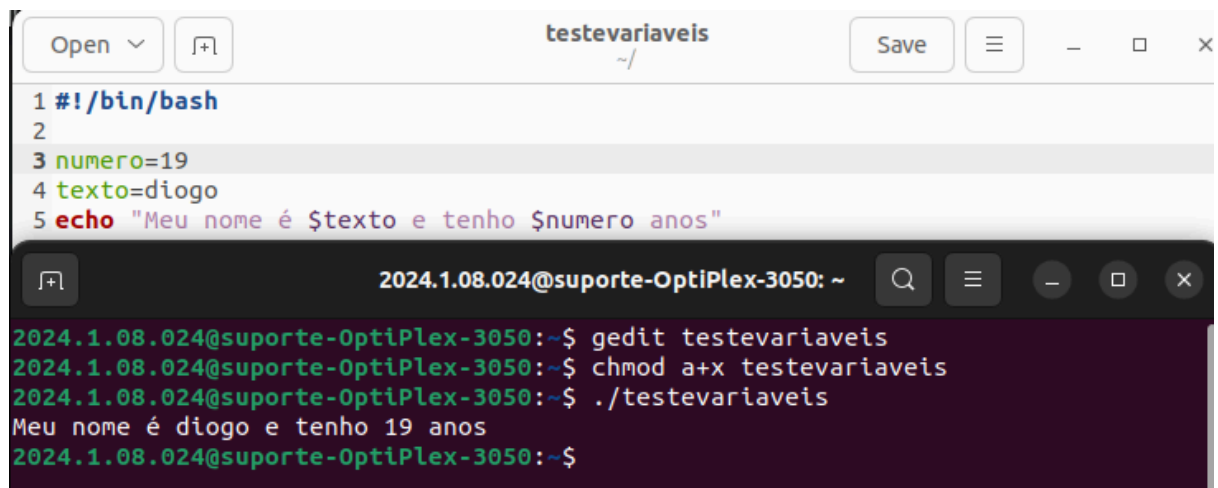
2-



```
1 #!/bin/bash
2 cd /
3 ls -a
4 echo "Meu primeiro script"
5 who
```

```
2024.1.08.024@suporte-OptiPlex-3050: ~$ gedit meuscript.sh
2024.1.08.024@suporte-OptiPlex-3050:~$ ./meuscript.sh
.   boot  etc   lib32  lost+found  opt  run  srv   tmp
..  cdrom home lib64  media      proc sbin swapfile usr
bin dev   lib  libx32 mnt       root snap sys   var
Meu primeiro script
2024.1.08.024 tty2          2024-06-13 13:07 (tty2)
2024.1.08.024@suporte-OptiPlex-3050:~$
```

3-



The image shows a terminal window with a dark background. The title bar of the window is light gray and contains the text "testevariaveis" followed by a tilde and a forward slash (~/). On the left side of the title bar are buttons for "Open" (with a dropdown arrow) and a file icon. On the right side are buttons for "Save", a hamburger menu icon, and window control icons (minimize, maximize, close). The terminal content shows a script being executed. The first five lines of the script are: 1 #!/bin/bash, 2, 3 numero=19, 4 texto=diogo, and 5 echo "Meu nome é \$texto e tenho \$numero anos". Below the script, the terminal shows the execution of the script using the command ./testevariaveis, which outputs "Meu nome é diogo e tenho 19 anos". The terminal prompt is 2024.1.08.024@suporte-OptiPlex-3050: ~. The terminal window has a search bar and a hamburger menu icon on the right side of the title bar.

```
1 #!/bin/bash
2
3 numero=19
4 texto=diogo
5 echo "Meu nome é $texto e tenho $numero anos"

2024.1.08.024@suporte-OptiPlex-3050: ~
2024.1.08.024@suporte-OptiPlex-3050:~$ gedit testevariaveis
2024.1.08.024@suporte-OptiPlex-3050:~$ chmod a+x testevariaveis
2024.1.08.024@suporte-OptiPlex-3050:~$ ./testevariaveis
Meu nome é diogo e tenho 19 anos
2024.1.08.024@suporte-OptiPlex-3050:~$
```

5-

```
Open  testecrases  Save  ~/
1 #!/bin/bash
2 echo "Data atual:"
3 date
4 ls -la > listagem_$(date +%Y-%m=%d_%H-%M-%S").txt
5 cat listagem_$(date +%Y-%m=%d_%H-%M-%S").txt

2024.1.08.024@suporte-OptiPlex-3050: ~
2024.1.08.024@suporte-OptiPlex-3050:~$ gedit testecrases
2024.1.08.024@suporte-OptiPlex-3050:~$ chmod a+x testecrases
2024.1.08.024@suporte-OptiPlex-3050:~$ ./testecrases
Data atual:
qui 13 jun 2024 15:16:52 -03
total 136
drwx----- 24 2024.1.08.024 Domain Users 4096 jun 13 15:16 .
drwxr-xr-x 53 root root 4096 jun 5 12:40 ..
-rw-r--r-- 1 2024.1.08.024 Domain Users 35 mai 17 21:23 .aspell.en.prepl
-rw-r--r-- 1 2024.1.08.024 Domain Users 22 mai 17 21:23 .aspell.en.pws
-rw----- 1 2024.1.08.024 Domain Users 705 jun 13 14:11 .bash_history
-rw----- 1 2024.1.08.024 Domain Users 220 abr 8 16:04 .bash_logout
-rw----- 1 2024.1.08.024 Domain Users 3771 abr 8 16:04 .bashrc
drwxr-xr-x 4 2024.1.08.024 Domain Users 4096 abr 8 16:04 .bluefish
drwx----- 20 2024.1.08.024 Domain Users 4096 mai 17 15:03 .cache
drwx----- 18 2024.1.08.024 Domain Users 4096 jun 13 15:05 .config
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Desktop
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 jun 13 13:24 Documents
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 14:41 Downloads
drwx----- 2 2024.1.08.024 Domain Users 4096 mai 13 11:25 .gnupg
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 mai 6 15:56 .gphoto
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .java
-rw-r--r-- 1 2024.1.08.024 Domain Users 0 jun 13 15:16 listagem_2024-06=13_1
5-16-52.txt
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:04 .local
-rwxr-xr-x 1 2024.1.08.024 Domain Users 54 jun 13 15:01 meuscript.sh
drwx----- 3 2024.1.08.024 Domain Users 4096 mai 13 10:15 .mozilla
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Music
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .netbeans
drwxr-xr-x 19 2024.1.08.024 Domain Users 4096 jun 3 17:09 NetBeansProjects
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 13:13 Pictures
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:12 .pki
-rw----- 1 2024.1.08.024 Domain Users 807 abr 8 16:04 .profile
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Public
drwx----- 4 2024.1.08.024 Domain Users 4096 abr 8 16:10 snap
drwx----- 2 2024.1.08.024 Domain Users 4096 abr 23 16:00 .ssh
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Templates
-rwxr-xr-x 1 2024.1.08.024 Domain Users 133 jun 13 15:16 testecrases
-rwxr-xr-x 1 2024.1.08.024 Domain Users 82 jun 13 15:04 testevariaveis
-rwxr-xr-x 1 2024.1.08.024 Domain Users 58 jun 13 15:12 testevariaveisambient
e
drwx----- 6 2024.1.08.024 Domain Users 4096 mai 13 10:15 .thunderbird
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Videos
2024.1.08.024@suporte-OptiPlex-3050:~$
```

```
Open  testecrases  Save  ~/
1 #!/bin/bash
2 echo "Data atual:"
3 date
4 ls -la > listagem_$(date +%Y-%m=%d_%H-%M-%S").txt
5 cat listagem_$(date +%Y-%m=%d_%H-%M-%S").txt

2024.1.08.024@suporte-OptiPlex-3050: ~
2024.1.08.024@suporte-OptiPlex-3050:~$ ./testecrases
Data atual:
qui 13 jun 2024 15:20:31 -03
total 140
drwx----- 24 2024.1.08.024 Domain Users 4096 jun 13 15:20 .
drwxr-xr-x 53 root root 4096 jun 5 12:40 ..
-rw-r--r-- 1 2024.1.08.024 Domain Users 35 mai 17 21:23 .aspell.en.prepl
-rw-r--r-- 1 2024.1.08.024 Domain Users 22 mai 17 21:23 .aspell.en.pws
-rw----- 1 2024.1.08.024 Domain Users 705 jun 13 14:11 .bash_history
-rw----- 1 2024.1.08.024 Domain Users 220 abr 8 16:04 .bash_logout
-rw----- 1 2024.1.08.024 Domain Users 3771 abr 8 16:04 .bashrc
drwxr-xr-x 4 2024.1.08.024 Domain Users 4096 abr 8 16:04 .bluefish
drwx----- 20 2024.1.08.024 Domain Users 4096 mai 17 15:03 .cache
drwx----- 18 2024.1.08.024 Domain Users 4096 jun 13 15:05 .config
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Desktop
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 jun 13 13:24 Documents
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 14:41 Downloads
drwx----- 2 2024.1.08.024 Domain Users 4096 mai 13 11:25 .gnupg
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 mai 6 15:56 .gphoto
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .java
-rw-r--r-- 1 2024.1.08.024 Domain Users 2436 jun 13 15:16 listagem_2024-06=13_1
5-16-52.txt
-rw-r--r-- 1 2024.1.08.024 Domain Users 0 jun 13 15:20 listagem_2024-06=13_1
5-20-31.txt
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:04 .local
-rwxr-xr-x 1 2024.1.08.024 Domain Users 54 jun 13 15:01 meuscript.sh
drwx----- 3 2024.1.08.024 Domain Users 4096 mai 13 10:15 .mozilla
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Music
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .netbeans
drwxr-xr-x 19 2024.1.08.024 Domain Users 4096 jun 3 17:09 NetBeansProjects
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 13:13 Pictures
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:12 .pki
-rw----- 1 2024.1.08.024 Domain Users 807 abr 8 16:04 .profile
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Public
drwx----- 4 2024.1.08.024 Domain Users 4096 abr 8 16:10 snap
drwx----- 2 2024.1.08.024 Domain Users 4096 abr 23 16:00 .ssh
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Templates
-rwxr-xr-x 1 2024.1.08.024 Domain Users 133 jun 13 15:16 testecrases
-rwxr-xr-x 1 2024.1.08.024 Domain Users 82 jun 13 15:04 testevariaveis
-rwxr-xr-x 1 2024.1.08.024 Domain Users 58 jun 13 15:12 testevariaveisambien
te
drwx----- 6 2024.1.08.024 Domain Users 4096 mai 13 10:15 .thunderbird
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Videos
2024.1.08.024@suporte-OptiPlex-3050:~$
```

```
Open  testecrases  Save  ~/  
1 #!/bin/bash  
2 echo "Data atual:"  
3 date  
4 ls -la > listagem_$(date +%Y-%m=%d_%H-%M-%S").txt  
5 cat listagem_$(date +%Y-%m=%d_%H-%M-%S").txt  
2024.1.08.024@suporte-OptiPlex-3050: ~  
qui 13 jun 2024 15:21:07 -03  
total 144  
drwx----- 24 2024.1.08.024 Domain Users 4096 jun 13 15:21 .  
drwxr-xr-x 53 root root 4096 jun 5 12:40 ..  
-rw-r--r-- 1 2024.1.08.024 Domain Users 35 mai 17 21:23 .aspell.en.prepl  
-rw-r--r-- 1 2024.1.08.024 Domain Users 22 mai 17 21:23 .aspell.en.pws  
-rw----- 1 2024.1.08.024 Domain Users 705 jun 13 14:11 .bash_history  
-rw----- 1 2024.1.08.024 Domain Users 220 abr 8 16:04 .bash_logout  
-rw----- 1 2024.1.08.024 Domain Users 3771 abr 8 16:04 .bashrc  
drwxr-xr-x 4 2024.1.08.024 Domain Users 4096 abr 8 16:04 .bluefish  
drwx----- 20 2024.1.08.024 Domain Users 4096 mai 17 15:03 .cache  
drwx----- 18 2024.1.08.024 Domain Users 4096 jun 13 15:05 .config  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Desktop  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 jun 13 13:24 Documents  
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 14:41 Downloads  
drwx----- 2 2024.1.08.024 Domain Users 4096 mai 13 11:25 .gnupg  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 mai 6 15:56 .gphoto  
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .java  
-rw-r--r-- 1 2024.1.08.024 Domain Users 2436 jun 13 15:16 listagem_2024-06=13_1  
5-16-52.txt  
-rw-r--r-- 1 2024.1.08.024 Domain Users 2528 jun 13 15:20 listagem_2024-06=13_1  
5-20-31.txt  
-rw-r--r-- 1 2024.1.08.024 Domain Users 0 jun 13 15:21 listagem_2024-06=13_1  
5-21-07.txt  
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:04 .local  
-rwxr-xr-x 1 2024.1.08.024 Domain Users 54 jun 13 15:01 meuscript.sh  
drwx----- 3 2024.1.08.024 Domain Users 4096 mai 13 10:15 .mozilla  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Music  
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 abr 8 16:05 .netbeans  
drwxr-xr-x 19 2024.1.08.024 Domain Users 4096 jun 3 17:09 NetBeansProjects  
drwxr-xr-x 3 2024.1.08.024 Domain Users 4096 jun 13 13:13 Pictures  
drwx----- 3 2024.1.08.024 Domain Users 4096 abr 8 16:12 .pki  
-rw----- 1 2024.1.08.024 Domain Users 807 abr 8 16:04 .profile  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Public  
drwx----- 4 2024.1.08.024 Domain Users 4096 abr 8 16:10 snap  
drwx----- 2 2024.1.08.024 Domain Users 4096 abr 23 16:00 .ssh  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Templates  
-rwxr-xr-x 1 2024.1.08.024 Domain Users 133 jun 13 15:16 testecrases  
-rwxr-xr-x 1 2024.1.08.024 Domain Users 82 jun 13 15:04 testevariaveis  
-rwxr-xr-x 1 2024.1.08.024 Domain Users 58 jun 13 15:12 testevariaveisambien  
te  
drwx----- 6 2024.1.08.024 Domain Users 4096 mai 13 10:15 .thunderbird  
drwxr-xr-x 2 2024.1.08.024 Domain Users 4096 abr 8 16:04 Videos  
2024.1.08.024@suporte-OptiPlex-3050:~$
```



```
2024.1.08.024@suporte-OptiPlex-3050: ~  
2024.1.08.024@suporte-OptiPlex-3050:~$ who >>exercicio.txt  
2024.1.08.024@suporte-OptiPlex-3050:~$ cat exercicio.txt  
2024.1.08.024 tty2          2024-06-13 13:07 (tty2)  
2024.1.08.024@suporte-OptiPlex-3050:~$ ls -a >>exercicio.txt  
2024.1.08.024@suporte-OptiPlex-3050:~$ cat exercicio.txt  
2024.1.08.024 tty2          2024-06-13 13:07 (tty2)  
.  
..  
.aspell.en.prepl  
.aspell.en.pws  
.bash_history  
.bash_logout  
.bashrc  
.bluefish  
.cache  
.config  
Desktop  
Documents  
Downloads  
exercicio.txt  
exercico..txt  
.gnupg  
.gphoto  
.java  
listagem_2024-06=13_15-16-52.txt  
listagem_2024-06=13_15-20-31.txt  
listagem_2024-06=13_15-21-07.txt  
.local  
meuscript.sh  
.mozilla  
Music  
.netbeans  
NetBeansProjects  
Pictures  
.pki  
.profile  
Public  
snap  
.ssh  
Templates  
testecrases  
testevariaveis  
testevariaveisambiente  
.thunderbird  
Videos  
2024.1.08.024@suporte-OptiPlex-3050:~$
```

7-

```
2024.1.08.024@suporte-OptiPlex-3050: ~  
2024.1.08.024@suporte-OptiPlex-3050:~$ wc -l < exercicio.txt  
40  
2024.1.08.024@suporte-OptiPlex-3050:~$
```

8-

```
2024.1.08.024@suporte-OptiPlex-3050: ~  
2024.1.08.024@suporte-OptiPlex-3050:~$ wc -l < exercicio.txt  
40  
2024.1.08.024@suporte-OptiPlex-3050:~$ cat << TESTE  
> NOME  
> 1  
> 2  
> 3  
> TESTE  
NOME  
1  
2  
3  
2024.1.08.024@suporte-OptiPlex-3050:~$
```

9-

```
scriptaritmetico.sh  
1 #!/bin/bash  
2 numero1=2  
3 numero2=4  
4 numero3=6  
5 numero4=8  
6 media=$(( ($numero1 + $numero2 + $numero3 + $numero4) / 4 ))  
7 echo "A média dos números é $media"  
  
2024.1.08.024@suporte-OptiPlex-3050: ~  
2024.1.08.024@suporte-OptiPlex-3050:~$ gedit scriptaritmetico.sh  
2024.1.08.024@suporte-OptiPlex-3050:~$ chmod a+x scriptaritmetico.sh  
2024.1.08.024@suporte-OptiPlex-3050:~$ ./scriptaritmetico.sh  
A média dos números é 5  
2024.1.08.024@suporte-OptiPlex-3050:~$
```