

Guía práctica # 1C

Funciones Hash

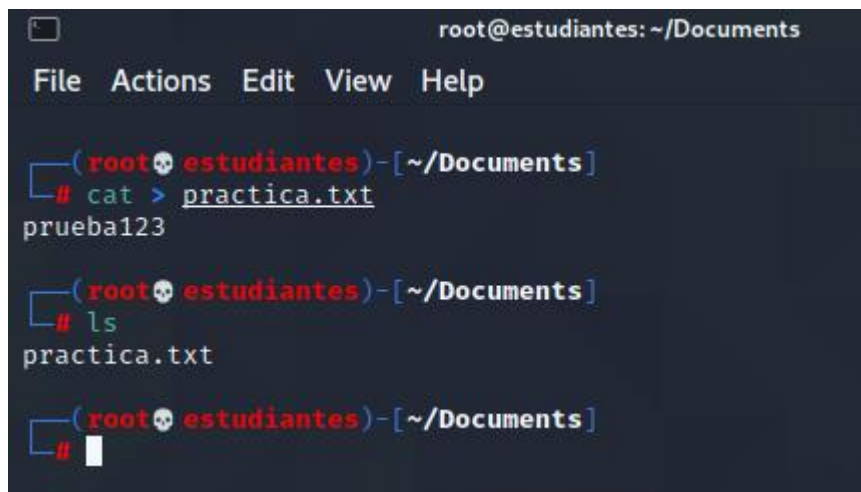
1. Instalar paquete gtkhash

sudo apt-get install gtkhash

```
(root@estudiantes)-[~]  
# sudo apt-get install gtkhash 100 x  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  libb2-1  
The following NEW packages will be installed:  
  gtkhash libb2-1  
0 upgraded, 2 newly installed, 0 to remove and 433 not upgraded.  
Need to get 145 kB of archives.  
After this operation, 517 kB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://kali.download/kali kali-rolling/main amd64 libb2-1 amd64 0.98.1-1.1 [40.9 kB]  
Get:2 http://kali.download/kali kali-rolling/main amd64 gtkhash amd64 1.2-1+b3 [104 kB]  
Fetched 145 kB in 1s (106 kB/s)  
Selecting previously unselected package libb2-1:amd64.  
(Reading database ... 266970 files and directories currently installed.)  
Preparing to unpack .../libb2-1_0.98.1-1.1_amd64.deb ...  
Unpacking libb2-1:amd64 (0.98.1-1.1) ...  
Selecting previously unselected package gtkhash.  
Preparing to unpack .../gtkhash_1.2-1+b3_amd64.deb ...  
Unpacking gtkhash (1.2-1+b3) ...  
Setting up libb2-1:amd64 (0.98.1-1.1) ...  
Setting up gtkhash (1.2-1+b3) ...  
Processing triggers for kali-menu (2021.1.4) ...  
Processing triggers for desktop-file-utils (0.26-1) ...  
Processing triggers for hicolor-icon-theme (0.17-2) ...  
Processing triggers for libglib2.0-0:amd64 (2.66.6-1) ...  
Processing triggers for libc-bin (2.31-9) ...  
Processing triggers for man-db (2.9.3-2) ...  
Processing triggers for mailcap (3.68) ...  
  
(root@estudiantes)-[~]  
#
```

2. Crear el documento Practica.txt

```
cat > Practica.txt
```



```
root@estudiantes: ~/Documents
File Actions Edit View Help

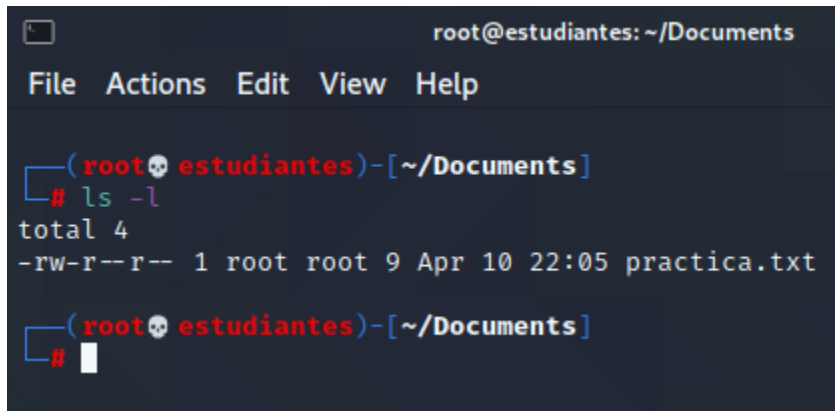
(root@estudiantes)-[~/Documents]
# cat > practica.txt
prueba123

(root@estudiantes)-[~/Documents]
# ls
practica.txt

(root@estudiantes)-[~/Documents]
#
```

A terminal window titled 'root@estudiantes: ~/Documents' with a menu bar (File, Actions, Edit, View, Help). The terminal shows three commands being executed: 1. 'cat > practica.txt' followed by the input 'prueba123'. 2. 'ls' which outputs 'practica.txt'. 3. The prompt '#' is shown at the end of the third line.

3. Escribir “Prueba123” y presionar teclas “Ctrl + d”
4. Ejecutar comando “ls -l”, y valide que el archivo se encuentre creado.



```
root@estudiantes: ~/Documents
File Actions Edit View Help

(root@estudiantes)-[~/Documents]
# ls -l
total 4
-rw-r--r-- 1 root root 9 Apr 10 22:05 practica.txt

(root@estudiantes)-[~/Documents]
#
```

5. Ejecutar commando de generacion de HASH

```
sha256sum practica.txt
```

```
(root@estudiantes)-[~/Documents]
# sha256sum practica.txt
ff960cb55673958c594d0daaab1e368651c75c02f9687192a1811e7b180336a7 practica.tx
t
```

6. Tomar captura de pantalla de resultado y colocar en Tabla 1.1 No. 1

7. Editar archive Practica.txt, ejecutar el comando

```
cat > practica.txt
```

8. Modificar archive Practica.txt , nuevo mensaje “Prueba1234” y presionar Tecla “Ctrl + d”

9. Ejecutar comando “ls -l”, y valide que el archivo se encuentre creado.

```
(root@estudiantes)-[~/Documents]
# cat > practica.txt
prueba1234

(root@estudiantes)-[~/Documents]
# ls -l
total 4
-rw-r--r-- 1 root root 10 Apr 10 22:21 practica.txt

(root@estudiantes)-[~/Documents]
#
```

10. Ejecutar comando

Sha256sum practica.txt

```
(root@estudiantes)-[~/Documents]
# sha256sum practica.txt
66db84d7882ef2321e453772d227c4e4e9a53c96131aac8e6549342dd97b3203 practica.txt
```

11. Tomar captura de pantalla y colocar en Tabla 1.1

No.	Archivo	Funcion Hash	Pantalla
1	Practica.txt	SHA256	<pre>(root@estudiantes)-[~/Documents] # sha256sum practica.txt ff960cb55673958c594d0daaab1e368651c75c02f9687192a1811e7b180336a7 practica.txt</pre>
2	Practica.txt	SHA256	<pre>(root@estudiantes)-[~/Documents] # sha256sum practica.txt 66db84d7882ef2321e453772d227c4e4e9a53c96131aac8e6549342dd97b3203 practica.txt</pre>