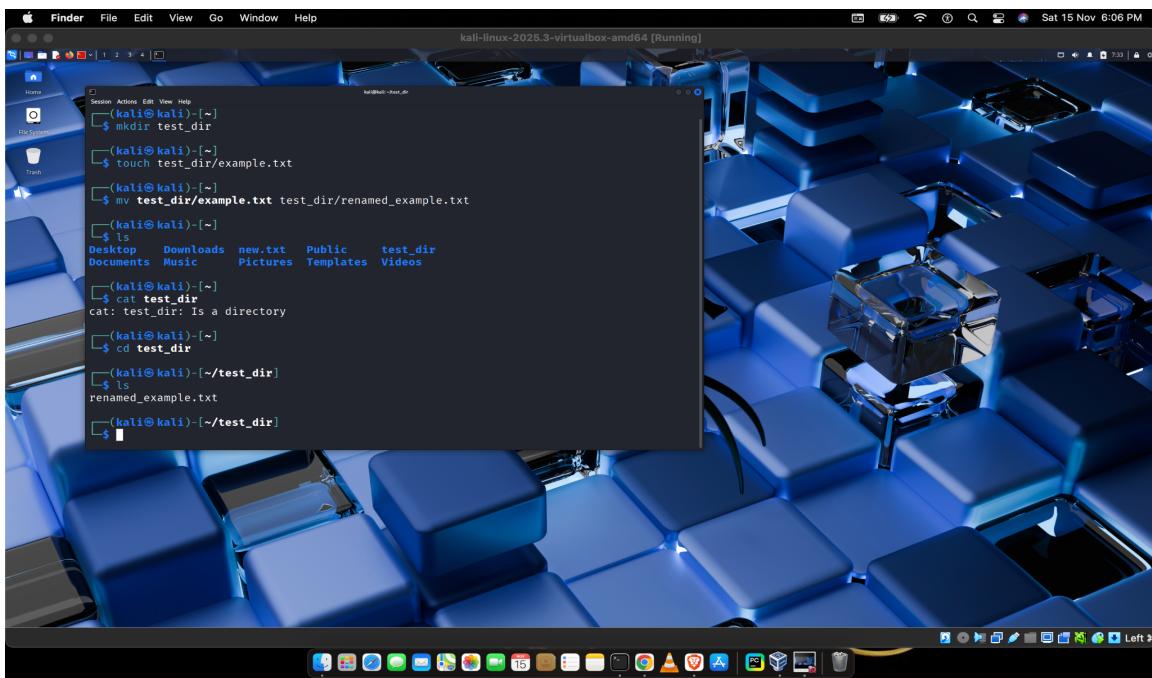


## 1. Creating & Renaming Files

Commands used: mkdir, touch, mv



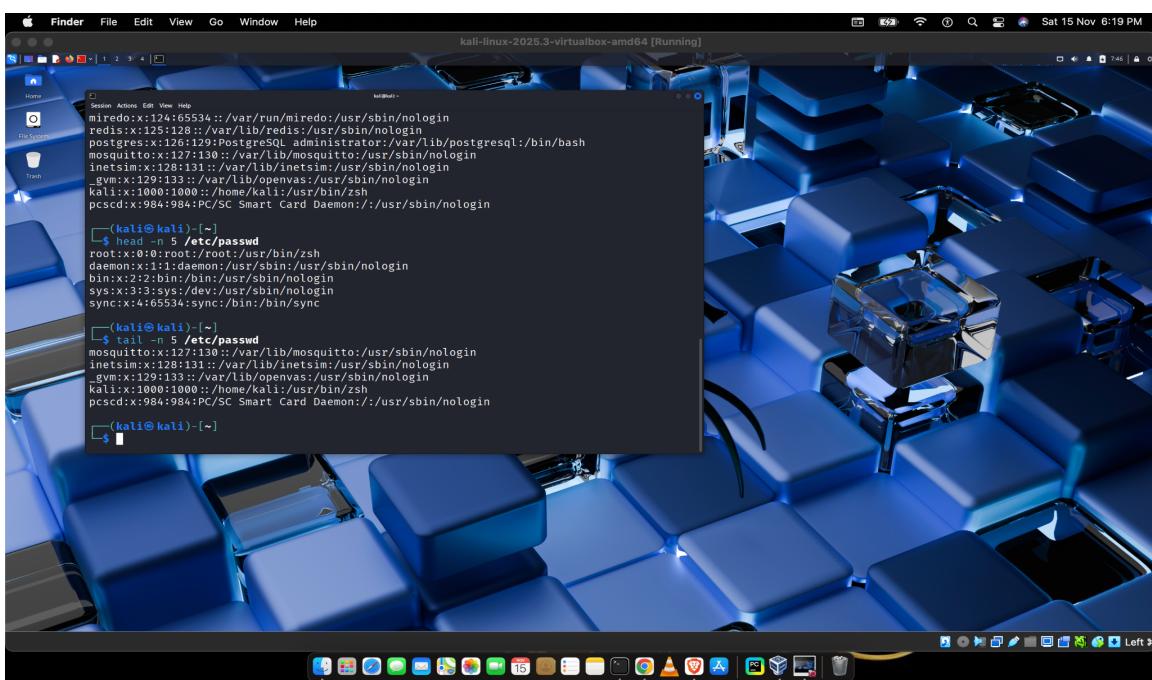
A screenshot of a Kali Linux desktop environment. A terminal window is open in the foreground, showing a series of commands being run:

```
(kali㉿kali)-[~]
$ mkdir test_dir
(kali㉿kali)-[~]
$ touch test_dir/example.txt
(kali㉿kali)-[~]
$ mv test_dir/example.txt test_dir/renamed_example.txt
(kali㉿kali)-[~]
$ ls
Desktop Downloads new.txt Public test_dir
Documents Music Pictures Templates Videos
(kali㉿kali)-[~]
$ cat test_dir
cat: test_dir: Is a directory
(kali㉿kali)-[~]
$ cd test_dir
(kali㉿kali)-[~/test_dir]
$ ls
renamed_example.txt
(kali㉿kali)-[~/test_dir]
$
```

The desktop background features a blue, metallic keyboard texture. The taskbar at the bottom shows various application icons.

## 2. Viewing File Contents

Commands used: cat /etc/passwd, head, tail



A screenshot of a Kali Linux desktop environment. A terminal window is open in the foreground, showing a series of commands being run:

```
miredo:x:124:65534::/var/run/miredo:/usr/sbin/nologin
redis:x:125:65535::/var/lib/redis:/usr/sbin/nologin
postgres:x:126:65536::PostgreSQL administrator:/var/lib/postgresql/bin/bash
mosquitto:x:127:130::/var/lib/mosquitto:/usr/sbin/nologin
inetnsim:x:128:131::/var/lib/inetnsim:/usr/sbin/nologin
gvm:x:129:133::/var/lib/openvas:/usr/sbin/nologin
kali:x:1000:1000::/home/kali:/usr/bin/zsh
pcscd:x:984:984:PC/SC Smart Card Daemon:/usr/sbin/nologin

(kali㉿kali)-[~]
$ head -5 /etc/passwd
root:x:0:0::/root:/usr/bin/zsh
daemon:x:1:1::daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2::bin:/bin:/usr/sbin/nologin
sys:x:3:3::sys:/dev:/usr/sbin/nologin
sync:x:4:65534::sync:/bin:/sync

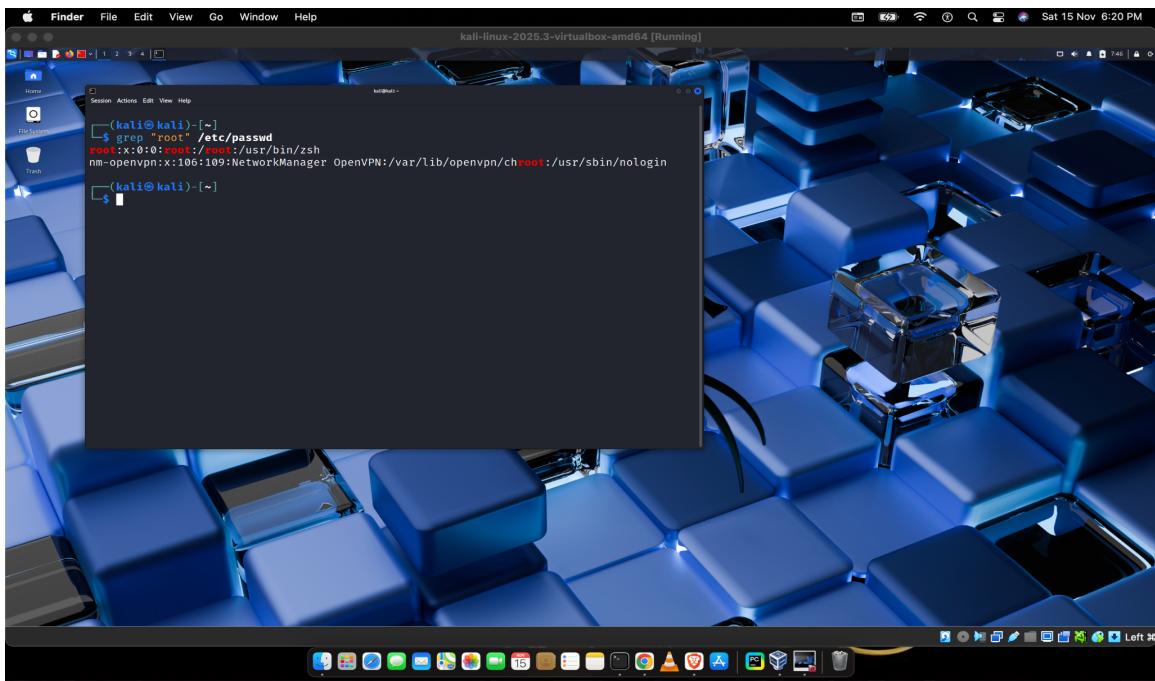
(kali㉿kali)-[~]
$ tail -5 /etc/passwd
mosquitto:x:127:130::/var/lib/mosquitto:/usr/sbin/nologin
inetnsim:x:128:131::/var/lib/inetnsim:/usr/sbin/nologin
gvm:x:129:133::/var/lib/openvas:/usr/sbin/nologin
kali:x:1000:1000::/home/kali:/usr/bin/zsh
pcscd:x:984:984:PC/SC Smart Card Daemon:/usr/sbin/nologin

(kali㉿kali)-[~]
```

The desktop background features a blue, metallic keyboard texture. The taskbar at the bottom shows various application icons.

### **3. Searching Patterns with grep**

Command used: grep 'root' /etc/passwd

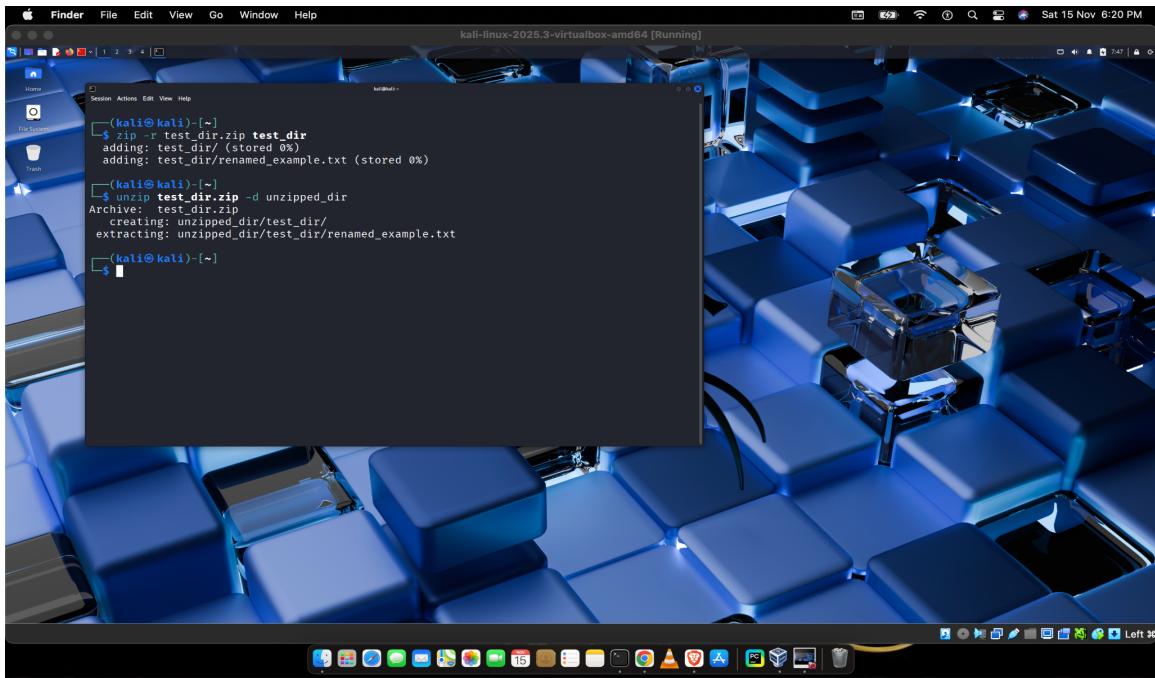


A screenshot of a Kali Linux desktop environment. A terminal window titled "kali@kali: ~" is open, displaying the command "grep 'root' /etc/passwd" and its output. The output shows several entries, with the word "root" highlighted in red. The desktop background features a blue, metallic hexagonal pattern. The taskbar at the bottom contains various application icons.

```
(kali㉿kali)-[~]
$ grep "root" /etc/passwd
root:x:0:0:root :/root:/usr/bin/zsh
nm-openvpn:x:106:109:NetworkManager OpenVPN:/var/lib/openvpn/chroot:/usr/sbin/nologin
$
```

### **4. Zipping & Unzipping**

Commands used: zip -r, unzip



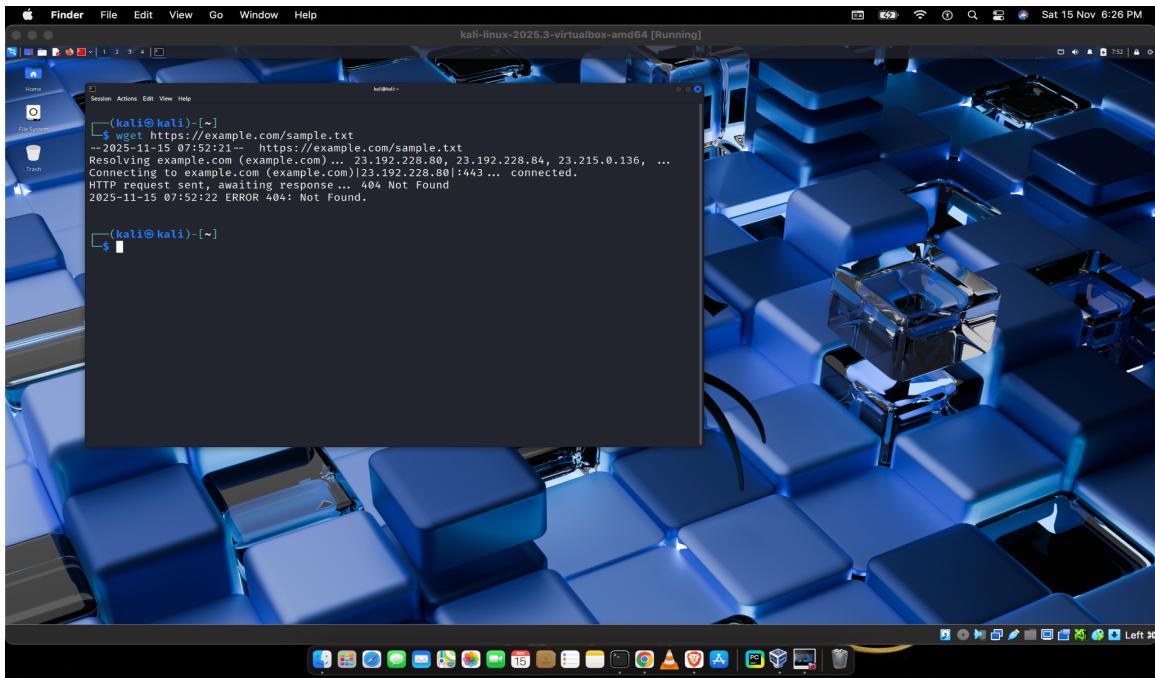
A screenshot of a Kali Linux desktop environment. A terminal window is open in the foreground, displaying the following command history:

```
(kali㉿ kali) ~]$ zip -r test_dir.zip test_dir
adding: test_dir/ (stored 0%)
adding: test_dir/renamed_example.txt (stored 0%)
(kali㉿ kali) ~]$ unzip test_dir.zip -d unzipped_dir
Archive: test_dir.zip
      creating: unzipped_dir/test_dir/
      extracting: unzipped_dir/test_dir/renamed_example.txt
(kali㉿ kali) ~]$
```

The desktop background features a blue, metallic, hexagonal pattern. The taskbar at the bottom contains various application icons.

## 5. Downloading with wget

Command used: wget https://example.com/sample.txt



A screenshot of a Kali Linux desktop environment. A terminal window is open in the foreground, displaying the following command history:

```
(kali㉿ kali) ~]$ wget https://example.com/sample.txt
--2025-11-15 07:52:21-- https://example.com/sample.txt
Resolving example.com (example.com)... 23.192.228.80, 23.192.228.84, 23.215.0.136, ...
Connecting to example.com (example.com)|23.192.228.80|:443... connected.
HTTP request sent, awaiting response... 404 Not Found
2025-11-15 07:52:22 ERROR 404: Not Found.

(kali㉿ kali) ~]$
```

The desktop background features a blue, metallic, hexagonal pattern. The taskbar at the bottom contains various application icons.

## 6. Changing Permissions

Commands used: touch, chmod 444

```
(kali㉿kali)-[~/new.txt]$ touch secure.txt
(kali㉿kali)-[~/new.txt]$ chmod 444 secure.txt
(kali㉿kali)-[~/new.txt]$ ls
hi  new.txt  secure.txt
(kali㉿kali)-[~/new.txt]$
```

## 7. Environment Variables

Commands used: export, echo

```
sudo: export: command not found
(kali㉿kali)-[~/new.txt]$ export MY_VAR="Hello, Linux!
dquote> ls
dquote> "
(kali㉿kali)-[~/new.txt]$ export MY_VAR="Hello, Linux!""
dquote> "
(kali㉿kali)-[~/new.txt]$ echo
(kali㉿kali)-[~/new.txt]$ echo $MY_VAR
Hello, Linux

(kali㉿kali)-[~/new.txt]$
```