Step 1:

- Creating 6 users and passwords

```
┌──(jessica㉿kali)-[~]
└─$ sudo passwd John
New password:
Retype new password:
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$ sudo useradd John2

┌──(jessica㉿kali)-[~]
└─$ sudo passwd John2
New password:
Retype new password:
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$ sudo useradd John3

┌──(jessica㉿kali)-[~]
└─$ sudo passwd John3
New password:
Retype new password:
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$ sudo useradd John4

┌──(jessica㉿kali)-[~]
└─$ sudo passwd John4
New password:
Retype new password:
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$ sudo useradd John5

┌──(jessica㉿kali)-[~]
└─$ sudo passwd John5
New password:
Retype new password:
passwd: password updated successfully
```

```
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$ sudo useradd John6

┌──(jessica㉿kali)-[~]
└─$ sudo passwd John6
New password:
Retype new password:
passwd: password updated successfully

┌──(jessica㉿kali)-[~]
└─$
```

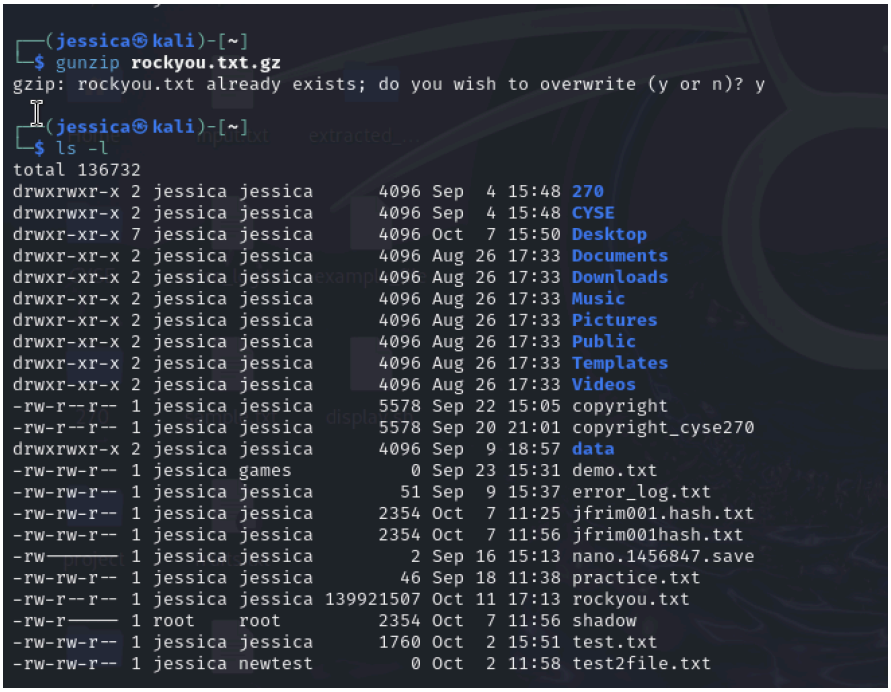
Step 2:

- Locate the rockyou.txt file
- Use the “pwd” command to print the current working directory
- Copy the file to the current directory
- use the long listing command

```
┌──(jessica㉿kali)-[~]
└─$ locate rockyou.txt.gz
/usr/share/wordlists/rockyou.txt.gz

┌──(jessica㉿kali)-[~]
└─$ pwd
/home/jessica

┌──(jessica㉿kali)-[~]
└─$ sudo cp /usr/share/wordlists/rockyou.txt.gz /home/jessica/

┌──(jessica㉿kali)-[~]
└─$ ls -l
total 188840
drwxrwxr-x 2 jessica jessica      4096 Sep  4 15:48 270
drwxrwxr-x 2 jessica jessica      4096 Sep  4 15:48 CYSE
drwxr-xr-x 7 jessica jessica      4096 Oct  7 15:50 Desktop
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Documents
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Downloads
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Music
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Pictures
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Public
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Templates
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Videos
-rw-r--r-- 1 jessica jessica      5578 Sep 22 15:05 copyright
-rw-r--r-- 1 jessica jessica      5578 Sep 20 21:01 copyright_cyse270
drwxrwxr-x 2 jessica jessica      4096 Sep  9 18:57 data
-rw-rw-r-- 1 jessica games           0 Sep 23 15:31 demo.txt
-rw-rw-r-- 1 jessica jessica        51 Sep  9 15:37 error_log.txt
-rw-rw-r-- 1 jessica jessica      2354 Oct  7 11:25 jfrim001.hash.txt
-rw-rw-r-- 1 jessica jessica      2354 Oct  7 11:56 jfrim001hash.txt
-rw------- 1 jessica jessica         2 Sep 16 15:13 nano.1456847.save
-rw-rw-r-- 1 jessica jessica        46 Sep 18 11:38 practice.txt
-rw-r--r-- 1 jessica jessica 139921507 Oct  7 11:55 rockyou.txt
-rw-r--r-- 1 root    root     53357329 Oct 11 17:13 rockyou.txt.gz
-rw-r----- 1 root    root         2354 Oct  7 11:56 shadow
-rw-rw-r-- 1 jessica jessica      1760 Oct  2 15:51 test.txt
-rw-rw-r-- 1 jessica newtest         0 Oct  2 11:58 test2file.txt
```

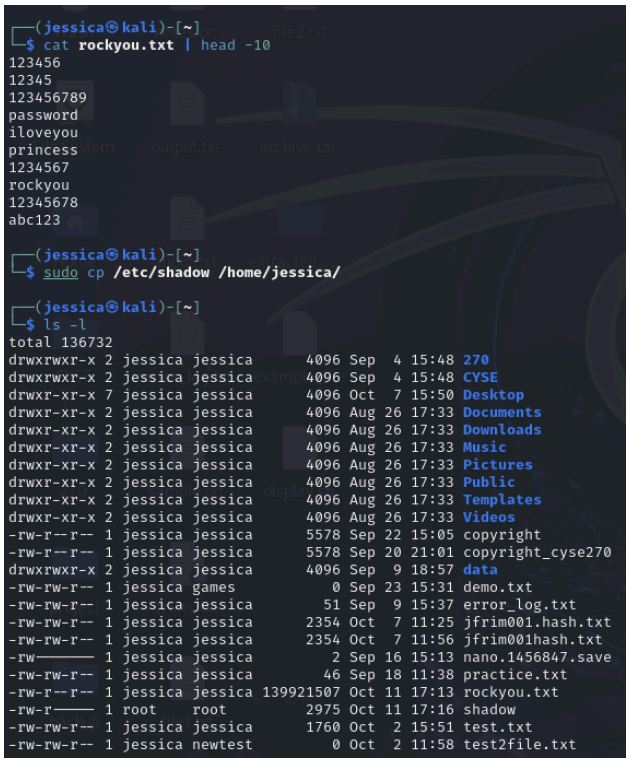
Step 3:

- Gunzip the file
- Use the long listing command



Step 4:

- Use the “cat” command to see 10 lines from the file
- Copy shadow to the current directory
- Then use the long listing command to print.



Step 5:

- Save the shadow file content into the new file created
- Using the long listing command to verify the content is there.

```
┌──(jessica㉿kali)-[~]
└─$ sudo cat shadow > jfrim001.hash.file

┌──(jessica㉿kali)-[~]
└─$ ls -l
total 136736
drwxrwxr-x 2 jessica jessica      4096 Sep  4 15:48 270
drwxrwxr-x 2 jessica jessica      4096 Sep  4 15:48 CYSE
drwxr-xr-x 7 jessica jessica      4096 Oct  7 15:50 Desktop
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Documents
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Downloads
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Music
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Pictures
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Public
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Templates
drwxr-xr-x 2 jessica jessica      4096 Aug 26 17:33 Videos
-rw-r--r-- 1 jessica jessica      5578 Sep 22 15:05 copyright
-rw-r--r-- 1 jessica jessica      5578 Sep 20 21:01 copyright_cyse270
drwxrwxr-x 2 jessica jessica      4096 Sep  9 18:57 data
-rw-rw-r-- 1 jessica games           0 Sep 23 15:31 demo.txt
-rw-rw-r-- 1 jessica jessica        51 Sep  9 15:37 error_log.txt
-rw-rw-r-- 1 jessica jessica      2975 Oct 11 17:17 jfrim001.hash.file
-rw-rw-r-- 1 jessica jessica      2354 Oct  7 11:25 jfrim001.hash.txt
-rw-rw-r-- 1 jessica jessica      2354 Oct  7 11:56 jfrim001hash.txt
-rw------- 1 jessica jessica         2 Sep 16 15:13 nano.1456847.save
-rw-rw-r-- 1 jessica jessica        46 Sep 18 11:38 practice.txt
-rw-r--r-- 1 jessica jessica 139921507 Oct 11 17:13 rockyou.txt
-rw-r----- 1 root    root         2975 Oct 11 17:16 shadow
-rw-rw-r-- 1 jessica jessica      1760 Oct  2 15:51 test.txt
-rw-rw-r-- 1 jessica newtest         0 Oct  2 11:58 test2file.txt
```

Step 7:

- Reveal the content of the file

```
┌──(jessica㉿kali)-[~]
└─$ cat jfrim001.hash.file
root:!:19961:0:99999:7:::
daemon:*:19961:0:99999:7:::
bin:*:19961:0:99999:7:::
sys:*:19961:0:99999:7:::
sync:*:19961:0:99999:7:::
games:*:19961:0:99999:7:::
man:*:19961:0:99999:7:::
lp:*:19961:0:99999:7:::
mail:*:19961:0:99999:7:::
news:*:19961:0:99999:7:::
uucp:*:19961:0:99999:7:::
proxy:*:19961:0:99999:7:::
www-data:*:19961:0:99999:7:::
backup:*:19961:0:99999:7:::
list:*:19961:0:99999:7:::
irc:*:19961:0:99999:7:::
_apt:*:19961:0:99999:7:::
```

Step 8:

- Using john the ripper password cracking for 10 minutes

- Three passwords were only cracked out of six