LAB 1 Admin1

2. What is the difference between cat and more command?

cat

- Purpose: Displays the entire content of a file.
- Behavior: Outputs all file content to the terminal at once.
- Use Case: Ideal for small files or when you need to concatenate and display multiple files



more

- **Purpose**: Allows viewing file content one screen at a time.
- **Behavior**: Displays content page by page, useful for larger files.
- Use Case: Better for reading large files interactively



3. What is the difference between rm and rmdir using man?



```
ⅎ
                            esraatark@localhost:~/Documents — man rmdir
RMDIR(1)
                                        User Commands
                                                                                      RMDIR(1)
NAME
       rmdir - remove empty directories
SYNOPSIS
       rmdir [OPTION]... DIRECTORY...
DESCRIPTION
       Remove the DIRECTORY(ies), if they are empty.
       --ignore-fail-on-non-empty
              ignore each failure that is solely because a directory
              is non-empty
       -p, --parents
              remove DIRECTORY and its ancestors; e.g., 'rmdir -p a/b/c' is similar to 'rmdir
              a/b/c a/b a'
       -v, --verbose
             output a diagnostic for every directory processed
       --help display this help and exit
Manual page rmdir(1) line 1 (press h for help or q to quit)
```

4. Create the following hierarchy under your home directory?

```
[esraatark@localhost admin1]$ ls -R
.:
dir1 docs
./dir1:
dir12
./dir1/dir11:
file1
./dir1/dir12:
./docs:
mycv
```

a. Remove dir11 in one-step. What did you notice? And how did you overcome that?

```
[esraatark@localhost admin1]$ rmdir dir1/dir11
rmdir: failed to remove 'dir1/dir11': Directory not empty
[esraatark@localhost admin1]$ rm -r dir1/dir11
```

b. Then remove dir12 using rmdir –p command. State what happened to the hierarchy (Note: you are in your home directory).

```
[esraatark@localhost admin1]$ rmdir -p dir1/dir12
```

The dir1 also removed.

c. The output of the command pwd was /home/user. Write the absolute and relative path for the file mycv

Absolute: mycv is file here

```
[esraatark@localhost docs]$ pwd
/home/esraatark/admin1/docs
[esraatark@localhost docs]$ ls
mycv
```

Relative:mycv1 is directory here

[esraatark@localhost docs]\$ cd mycv1 [esraatark@localhost mycv1]\$

5. Copy the /etc/passwd file to your home directory making its name is mypasswd?

```
admin1 Desktop Documents Downloads Music Pictures Public Templates Videos
[esraatark@localhost ~]$ cp /etc/passwd mypasswd
[esraatark@localhost ~]$ ls
admin1 Desktop Documents Downloads Music mypasswd Pictures Public Templates Videos
```

6. Rename this new file to be oldpasswd?

```
[esraatark@localhost ~]$ mv mypasswd passwd
[esraatark@localhost ~]$ ls
admin1 Desktop Document<mark>s</mark> Downloads Music passwd Pictures Public Templates Videos
```

7. You are in /user/bin, list four ways to go to your home directory

```
[esraatark@localhost bin]$ cd ~
  [esraatark@localhost bin]$ cd
[esraatark@localhost ~]$ pwd
/home/esraatark

[esraatark@localhost bin]$ cd /home/esraatark

[esraatark@localhost bin]$ cd /home/esraatark

[esraatark@localhost bin]$ cd $home
[esraatark@localhost ~]$ pwd
/home/esraatark
/home/esraatark
```

9. Display the first 4 lines of /etc/passwd

```
[esraatark@localhost ~]$ head -n 4 /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[esraatark@localhost ~]$
```

10.Display the last 7 lines of /etc/passwd

```
[esraatark@localhost ~]$ tail -n 4 /etc/passwd
chrony:x:981:981:chrony system user:/var/lib/chrony:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
esraatark:x:1000:1000:esraa tark :/home/esraatark:/bin/bash
[esraatark@localhost ~]$
```

11. Display the man pages of passwd the command and the file sequentially in one command.

```
[esraatark@localhost ~]$ man passwd;man 5 passwd
```

11&12. Display the man page of the passwd file.





13. Display a list of all the commands that contain the keyword passwd in their man page.

[esraatark@localhost ~]\$ man -k passwd passwd: nothing appropriate.

```
[esraatark@localhost ~]$ sudo mandb
Processing manual pages under /usr/share/man/overrides...

Updating index cache for path `/usr/share/man/overrides/man3'. Wait...done.

Checking for stray cats under /usr/share/man/overrides...

Checking for stray cats under /var/cache/man/overrides...

Processing manual pages under /usr/share/man...

Updating index cache for path `/usr/share/man/man3'. Wait...

Updating index cache for path `/usr/share/man/man1'. Wait...

mandb: warning: /usr/share/man/man1/dfu-tool.1.gz: whatis parse for dfu-tool(1) failed

Updating index cache for path `/usr/share/man/man8'. Wait...mandb: can't open /usr/share/man/man8/nss-resolve.8: No such file or directory

mandb: warning: /usr/share/man/man8/libnss_resolve.so.2.8.gz: bad symlink or ROFF `.so' request

Updating index cache for path `/usr/share/man/man3type'. Wait...done.

Checking for stray cats under /usr/share/man...
```

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OS

Group2