

Task 1

Mariam Hassan Amin

(1) - /home → store the home directory for each user

- /tmp → store temporary files of apps.

- /etc → configuration directory

(2) man command → provides short reference manuals (pages) for individual commands, API functions, concepts, configuration file syntax

(3) - rm → removes each specified file. By default, it does not remove directories. (SYNOPSIS : rm [OPTION]... [FILE]...)

- rmdir → Remove the DIRECTORY(ies), if they are empty. (SYNOPSIS : rmdir [OPTION]... DIRECTORY...)

(4) make Directories & Files

```
mariam@mariam-VMware-Virtual-Platform:~$ tree dir1/ docs/ Documents/
dir1/
├── dir11
│   └── file1
└── dir12
docs/
├── mycv
└── Documents/
    └── OldFiles
2 directories, 3 files
mariam@mariam-VMware-Virtual-Platform:~$
```

a- Remove dir11 with rmdir in one-step

```
mariam@mariam-VMware-Virtual-Platform:~$ rmdir dir1/dir11/
rmdir: failed to remove 'dir1/dir11/': Directory not empty
mariam@mariam-VMware-Virtual-Platform:~$ rm -r dir1/dir11/
mariam@mariam-VMware-Virtual-Platform:~$ tree dir1/
dir1/
└── dir12
1 directory, 0 files
mariam@mariam-VMware-Virtual-Platform:~$
```

b- Then remove OldFiles using rmdir -p command.

```
mariam@mariam-VMware-Virtual-Platform:~$ rmdir -p Documents/OldFiles
rmdir: failed to remove '-p': No such file or directory
rmdir: failed to remove 'Documents/OldFiles': Not a directory
mariam@mariam-VMware-Virtual-Platform:~$ tree Documents/
Documents/
└── OldFiles
0 directories, 1 file
```

c- Write the absolute and relative path for the file mycv

```
mariam@mariam-VMware-Virtual-Platform:~/docs$ pwd
/home/mariam/docs
mariam@mariam-VMware-Virtual-Platform:~/docs$ ls
mycv
mariam@mariam-VMware-Virtual-Platform:~/docs$
```

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(5) Copy the /etc/passwd file

```
mariam@mariam-VMware-Virtual-Platform:~$ cp /etc/passwd ./mypasswd
mariam@mariam-VMware-Virtual-Platform:~$ ls
Desktop  dir1  docs  Documents  Downloads  Music  mypasswd  Pictures  Public  snap  Templates  Videos
mariam@mariam-VMware-Virtual-Platform:~$
```

(6) Rename this new file to be oldpasswd

```
mariam@mariam-VMware-Virtual-Platform:~$ ls
Desktop  dir1  docs  Documents  Downloads  Music  mypasswd  Pictures  Public  snap  Templates  Videos
mariam@mariam-VMware-Virtual-Platform:~$ mv mypasswd oldpasswd
mariam@mariam-VMware-Virtual-Platform:~$ ls
Desktop  dir1  docs  Documents  Downloads  Music  oldpasswd  Pictures  Public  snap  Templates  Videos
mariam@mariam-VMware-Virtual-Platform:~$
```

(7) list four ways to go to your home directory

- cd
- cd ~
- cd /home/mariam
- cd /home
- cd / mariam

(8) List Linux commands in /usr/bin that start with letter w

```
mariam@mariam-VMware-Virtual-Platform:/usr/bin$ ls w*
w          wdtctl  which.debianutils  whoopsie-preferences  wpexec
wall       wget    whiptail            wireplumber           write
watch      whatis  who                 word-list-compress    wpa_passphrase
watchgnupg whereis  whoami              wpctl
wc          which   whoopsie
```

(9) What command type are used for?

Display information about command type

(10) Show 2 types of command file in /usr/bin that start with letter c

- cd → cd is a shell builtin
- clear → clear is /usr/bin/clear

(11) Using man command find the command to read file

```
mariam@mariam-VMware-Virtual-Platform:~/docs$ man -f read file
read (2)          - read from a file descriptor
FILE (3type)      - input/output stream
file (1)          - determine file type
```

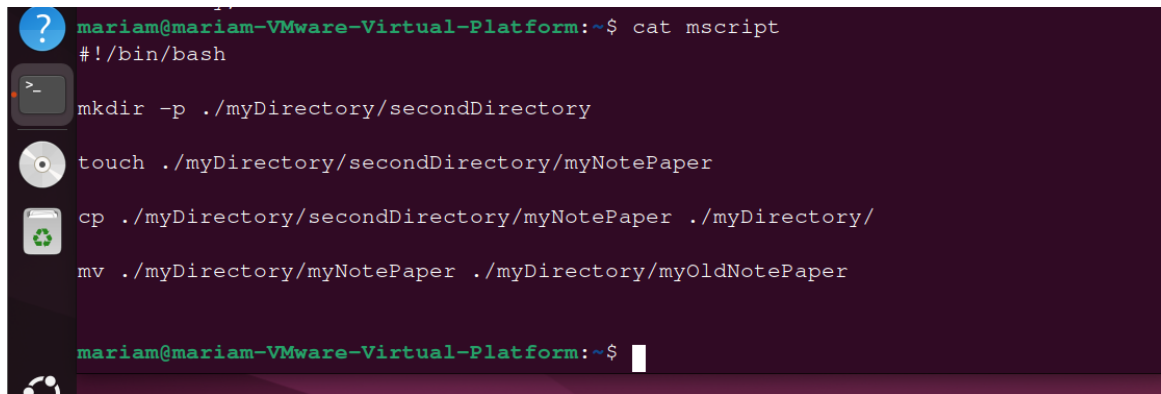
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(12) What is the usage of apropos command

Apropos → searches the descriptions for instances of keyword.

(13) What is the usage of apropos command



```
mariam@mariam-VMware-Virtual-Platform:~$ cat mscript
#!/bin/bash

mkdir -p ./myDirectory/secondDirectory

touch ./myDirectory/secondDirectory/myNotePaper

cp ./myDirectory/secondDirectory/myNotePaper ./myDirectory/

mv ./myDirectory/myNotePaper ./myDirectory/myOldNotePaper

mariam@mariam-VMware-Virtual-Platform:~$
```