

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

w | wall | watch | watchgnupg | wc | wdctl | wget | whatis | whereis | who | whoami | which.debianutils | whiptail | whoopsie | whoopsie-preferences | wireplumber | write | word-list-compress | wpa_passphrase | wpcctl | wpexec

(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
```

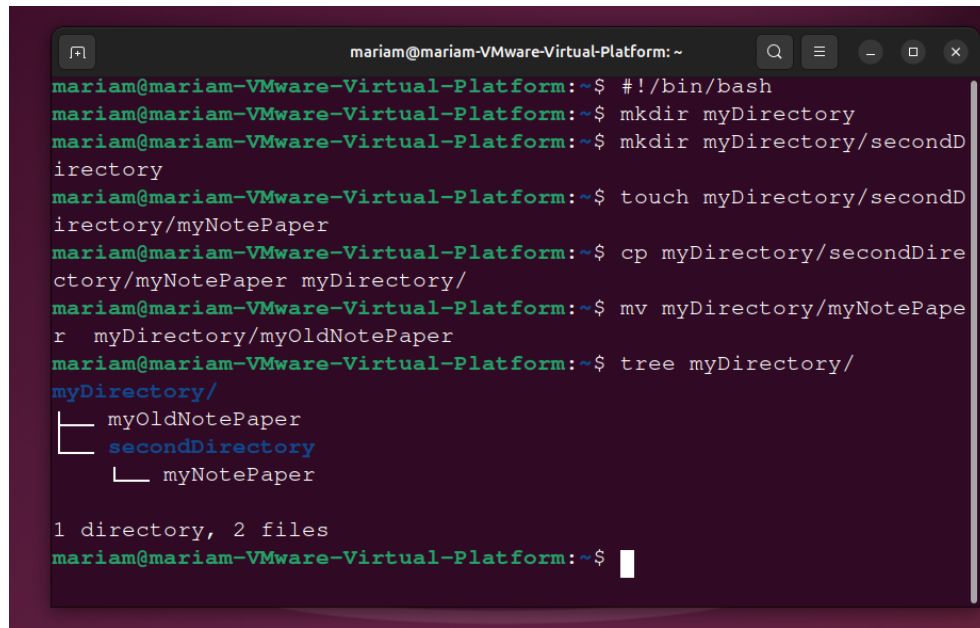
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(12) What is the usage of apropos command

Apropos → searches the descriptions for instances of keyword.

(13) What is the usage of apropos command

A terminal window titled 'mariam@mariam-VMware-Virtual-Platform: ~' with standard window controls. It shows a series of commands: creating a directory 'myDirectory', creating a subdirectory 'secondDirectory' inside it, creating a file 'myNotePaper' inside 'secondDirectory', copying 'myNotePaper' to the parent directory, and renaming it to 'myOldNotePaper'. Finally, the 'tree' command is used to show the directory structure, which is summarized as '1 directory, 2 files'.

```
mariam@mariam-VMware-Virtual-Platform:~$ #!/bin/bash
mariam@mariam-VMware-Virtual-Platform:~$ mkdir myDirectory
mariam@mariam-VMware-Virtual-Platform:~$ mkdir myDirectory/secondD
irectory
mariam@mariam-VMware-Virtual-Platform:~$ touch myDirectory/secondD
irectory/myNotePaper
mariam@mariam-VMware-Virtual-Platform:~$ cp myDirectory/secondDire
irectory/myNotePaper myDirectory/
mariam@mariam-VMware-Virtual-Platform:~$ mv myDirectory/myNotePape
r myDirectory/myOldNotePaper
mariam@mariam-VMware-Virtual-Platform:~$ tree myDirectory/
myDirectory/
├── myOldNotePaper
└── secondDirectory
    └── myNotePaper

1 directory, 2 files
mariam@mariam-VMware-Virtual-Platform:~$
```