

1. List three Linux Distributions.

- Ubuntu
- Arch linux
- Fedora linux

2. man command used for:

- used for getting the manual for external commands .

3. difference between rm and rmdir using man command

- rm :

```
RM(1)                                User Commands                                RM(1)
NAME
    rm - remove files or directories
SYNOPSIS
    rm [OPTION]... [FILE]...
DESCRIPTION
    This manual page documents the GNU version of rm.  rm removes each specified file.  By default, it does not
    remove directories.
```

- 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.
```

4-

```
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ cd home
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home$ mkdir dir1 docs Documents
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home$ ls
Documents  dir1  docs
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home$ cd dir1
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$ mkdir dir11 dir12
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$ ls
dir11  dir12
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$ cd dir11
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1/dir11$ touch file1.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1/dir11$ ls
file1.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1/dir11$ cd .. ..
-bash: cd: too many arguments
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1/dir11$ cd ..
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$ cd ..
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home$ cd docs
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/docs$ touch mycv.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/docs$ ls
mycv.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/docs$ cd ../Documents
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$ touch Oldfiles.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$ ls
Oldfiles.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$
```

- a)

```
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$ rm -r ../dir1/dir11
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$ cd ../dir1
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$ ls
dir12
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/dir1$
```

- b)

```
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/home/Documents$ rmdir -p Oldfiles.txt
rmdir: failed to remove 'Oldfiles.txt': Not a directory
```

5)

```
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ touch etc/password.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ cd etc
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/etc$ ls
password.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/etc$ copy password.txt /mnt/c/Users/20109/Desktop
Command 'copy' not found, did you mean:
  command 'copyq' from deb copyq (6.0.1-1)
  command 'rcopy' from deb rdmacm-utils (39.0-1)
  command 'fcopy' from deb fai-client (5.10.3ubuntu1)
  command 'ropy' from deb libdisorder-tools (0.0.2+git20130809.8062ee1-4)
  command 'hcopy' from deb hfsutils (3.2.6-15build2)
  command 'mcopy' from deb mtools (4.0.33-1+really4.0.32-1build1)
Try: sudo apt install <deb name>
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop/etc$ cp password.txt /mnt/c/Users/20109/Desktop
```

6)

```
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ mv password.txt oldpassword.txt
genny@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$
```

9)

- **Command type**
- **type**
Display information about command type

11)

```
gendy@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ man -k read file
FILE (3) - overview of system data types
f (1) - check file types and compare values
fbufsize (3) - interfaces to stdio FILE structure
fbuf (3) - interfaces to stdio FILE structure
fpending (3) - interfaces to stdio FILE structure
freadable (3) - interfaces to stdio FILE structure
freading (3) - interfaces to stdio FILE structure
fsetlocking (3) - interfaces to stdio FILE structure
fwritable (3) - interfaces to stdio FILE structure
fwriting (3) - interfaces to stdio FILE structure
flushbuf (3) - interfaces to stdio FILE structure
llseek (2) - reposition read/write file offset
sysctl (2) - read/write system parameters
aa-exec (1) - confine a program with the specified AppArmor profile
aa-remove-unknown (8) - remove unknown AppArmor profiles
aa-teardown (8) - unload all AppArmor profiles
access (2) - check user's permissions for a file
access.conf (5) - the login access control table file
accessdb (8) - dumps the content of a man-db database in a human readable format
acct (5) - process accounting file
addmntent (3) - get filesystem descriptor file entry
addr2line (1) - convert addresses into file names and line numbers
```

12)

- apropos command helps the user when they don't remember the exact command but knows a few keywords related to the command that define its uses or functionality.

```
gendy@DESKTOP-D4BMR3P:/mnt/c/Users/20109/Desktop$ apropos mk
git-mktag (1) - Creates a tag object with extra validation
git-mktree (1) - Build a tree-object from ls-tree formatted text
ipcmk (1) - make various IPC resources
mk_modmap (8) - translate a Linux keytable file into an xmodmap file
mkdir (1) - make directories
mkdir (2) - create a directory
mkdirat (2) - create a directory
mkdosfs (8) - create an MS-DOS FAT filesystem
mkdtemp (3) - create a unique temporary directory
mke2fs (8) - create an ext2/ext3/ext4 file system
mke2fs.conf (5) - Configuration file for mke2fs
mkfifo (1) - make FIFOs (named pipes)
mkfifo (3) - make a FIFO special file (a named pipe)
mkfifoat (3) - make a FIFO special file (a named pipe)
mkfs (8) - build a Linux filesystem
mkfs.bfs (8) - make an SCO bfs filesystem
mkfs.cramfs (8) - make compressed ROM file system
mkfs.ext2 (8) - create an ext2/ext3/ext4 file system
mkfs.ext3 (8) - create an ext2/ext3/ext4 file system
```

