```
System commands:
```

1.cp

```
(base) MSMLs-iMac:~/Desktop$ cat > copy.txt
This is the source file.....
^{\wedge}C
(base) MSMLs-iMac:~/Desktop$ cp copy.txt dest.txt
(base) MSMLs-iMac:~/Desktop$ cat dest.txt
This is the source file.....
(base) MSMLs-iMac:~/Desktop$ cp -p copy.txt dest1.txt
(base) MSMLs-iMac:~/Desktop$ cat dest1.txt
This is the source file.....
(base) MSMLs-iMac:~/Desktop$ cat > copy1.txt
this is new source file...
^{^{\sim}C}
(base) MSMLs-iMac:~/Desktop$ cp -n copy1.txt dest.txt
(base) MSMLs-iMac:~/Desktop$ cat dest.txt
This is the source file.....
(base) MSMLs-iMac:~/Desktop$ cp -s copy.txt dest2.txt
(base) MSMLs-iMac:~/Desktop$ cat dest2.txt
This is the source file.....
(base) MSMLs-iMac:~/Desktop$ cp -u copy1.txt dest.txt
(base) MSMLs-iMac:~/Desktop$ cat dest.txt
this is new source file...
2. mv
(base) MSMLs-iMac:~$ cat > move.txt
This is source file to be moved......
^{^{\sim}}C
(base) MSMLs-iMac:~$ mv move.txt dest.txt
(base) MSMLs-iMac:~$ cat dest.txt
This is source file to be moved.....
(base) MSMLs-iMac:~$ cat move.txt
cat: move.txt: No such file or directory
(base) MSMLs-iMac:~/Desktop/OS$ mv -i src mv1/dest
mv: overwrite 'mv1/dest'? 1
(base) MSMLs-iMac:~/Desktop/OS$ mv -f src mv1/dest
(base) MSMLs-iMac:~/Desktop/OS$ cd mv1
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat dest
This is source!!
3. ls
(base) MSMLs-iMac:~/Desktop$ ls
OS
                 Session1 Recursion 1086.zip session2 me 1086.zip
Session1_Recursion 1034_session2
(base) MSMLs-iMac:~/Desktop$ ls -l
total 20
```

```
drwxr-xr-x 3 MSML MSML 4096 Jan 12 08:32 OS
drwxr-xr-x 3 MSML MSML 4096 Jan 9 03:39 Session1 Recursion 1086
-rw-r--r-- 1 MSML MSML 3590 Jan 9 03:38 Session1 Recursion 1034.zip
drwxr-xr-x 3 MSML MSML 4096 Jan 9 09:35 session2
-rw-r--r-- 1 MSML MSML 2184 Jan 9 09:35 session2 me 1086.zip
(base) MSMLs-iMac:~/Desktop$ ls -a
  Session1_Recursion 1034
                             session2 me 1086.zip
.. Session1 Recursion 1034.zip
OS session2
(base) MSMLs-iMac:~/Desktop$ ls -ai
160420 . 161210 Session1_Recursion 1086
                                            161234 session2 me 1086.zip
160383 .. 160803 Session1 Recursion 1086.zip
666635 OS 161357 session2
4. grep
(base) MSMLs-iMac:~/Desktop/OS/mv1$ grep '[aeiou]' dest
This is source!!
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat > new
asu gip
^{C}
(base) MSMLs-iMac:~/Desktop/OS/mv1$ grep -w '[aeiou]*' new
(base) MSMLs-iMac:~/Desktop/OS/mv1$ grep -vw '[aeiou]*' new
asu gip
(base) MSMLs-iMac:~/Desktop/OS/mv1$ grep -i '[aeiou]*' new
ae
asu gip
5.chmod
(base) MSMLs-iMac:~/Desktop$ chmod -w -c new
mode of 'new' changed from 0644 (rw-r--r--) to 0444 (r--r--r--)
(base) MSMLs-iMac:~/Desktop$ chmod +x -v new
mode of 'new' changed from 0444 (r--r--r--) to 0555 (r-xr-xr-x)
6. cat
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat > doc
This is new document
^{^{\sim}C}
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat doc
This is new document
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat >> doc
add a line
^{\land}C
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat -n doc
```

```
1 This is new document
   2 add a line
   3
   4 dis
   5
   6 ss
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat -b doc
   1 This is new document
  2 add a line
   3 dis
   4 ss
(base) MSMLs-iMac:~/Desktop/OS/mv1$ cat -E doc
This is new document$
add a line$
$
dis$
ss$
7. mkdir
(base) MSMLs-iMac:~/Desktop$ mkdir -m=r dir
(base) MSMLs-iMac:~/Desktop$ cd dir
bash: cd: dir: Permission denied
(base) MSMLs-iMac:~/Desktop$ mkdir dir1
(base) MSMLs-iMac:~/Desktop$ cd dir1
(base) MSMLs-iMac:~/Desktop/dir1$ mkdir -p parent
(base) MSMLs-iMac:~/Desktop$ mkdir -v newdir
mkdir: created directory 'newdir'
8. rm
(base) MSMLs-iMac:~/Desktop/OS/mv1$ rm -i new
rm: remove regular file 'new'? 1
(base) MSMLs-iMac:~/Desktop/OS/mv1$ rm doc
(base) MSMLs-iMac:~/Desktop/OS/mv1$ rm -v dest
removed 'dest'
(base) MSMLs-iMac:~/Desktop/OS$ rm -d mv1
9. rmdir
(base) MSMLs-iMac:~/Desktop$ rmdir -v OS
rmdir: removing directory, 'OS'
```

```
10. wc
(base) MSMLs-iMac:~/Desktop$ wc -c new
4 new
(base) MSMLs-iMac:~/Desktop$ wc -l new
1 new
(base) MSMLs-iMac:~/Desktop$ wc -m new
4 new
11. who
(base) MSMLs-iMac:~/Desktop$ who -a
      system boot 2020-01-12 09:03
      run-level 5 2020-01-12 09:03
MSML
         ?:0
                  2020-01-12 09:04 ?
                                          1504 (:0)
(base) MSMLs-iMac:~/Desktop$ who -b
     system boot 2020-01-12 09:03
(base) MSMLs-iMac:~/Desktop$ who -H
NAME
         LINE
                  TIME
                               COMMENT
MSML.
         .0
                 2020-01-12 09:04 (:0)
(base) MSMLs-iMac:~/Desktop$ who -q
MSML
# users=1
12. pipe
(base) MSMLs-iMac:~/Desktop$ ls | wc -w
```

13. head,tail

(base) MSMLs-iMac:~/Desktop\$ head -v newfile ==> newfile <==

(base) MSMLs-iMac:~/Desktop\$ ls -1 | wc -1

Open just about any book, and you'll find plenty of short paragraphs. If direct speech is used, there'll be a new paragraph every time a new speaker starts to talk. News writers also like using short paragraphs. They have to present information in a succinct way and hold the reader's attention.

Commercial writers know that most people don't want to read 1,000 words of closely-spaced text in order to see wh

at they are writing about, so they also like to keep sentences and paragraphs short. They'll even use lots of sub-head ers so you can see what each paragraph is about before you read it.

```
(base) MSMLs-iMac:~/Desktop$ head -n 5 newfile
```

Open just about any book, and you'll find plenty of short paragraphs. If direct speech is used, there'll be a new paragraph every time a new speaker starts to talk. News writers also like using short paragraphs. They have to present information in a succinct way and hold the reader's attention.

```
(base) MSMLs-iMac:~/Desktop$ tail -n 4 newfile tail(1)
```

of closely-spaced text in order to see what they are writing about, so they also like to keep sentences and paragraphs short. They'll even use lots of sub-headers so you can see what each paragraph is about before you read it.

14. nl

15. awk, sed

(base) MSMLs-iMac:~/Desktop\$ nl -bt newfile

1 Open just about any book, and you'll find plenty of short paragraphs. 2If direct speech is used, there'll be a new paragraph every time a new 3speaker starts to talk. News writers also like using short paragraphs. They 4have to pre sent information in a succinct way and hold the reader's 5attention.

6Commercial writers know that most people don't want to read 1,000 7words of closely-spaced text in order to see what they are writing about, 8so they also like to keep sentences and paragraphs short. They'll even use 9lots of subheaders so you can see what each paragraph is about before 10you read it.

```
(base) MSMLs-iMac:~/Desktop/tutorial8$ cat file1.txt
hi this is ssn
cse dept
os lab
good day
(base) MSMLs-iMac:~/Desktop/tutorial8$ sed 'a\' file1.txt
hi this is ssn
cse dept
os lab
good day
(base) MSMLs-iMac:~/Desktop$ seq 1 10 | sed -n '1!G;h;$p'
10
9
8
7
6
5
4
3
2
```

hi this is me i am from cse ^C