## Part #1: Vim Tutorial.

```
## Search for text using /text and n and N.

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## Prince of the search for text using /text and n and N.

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```

Figure 1: vim editor search using the command /text and n and N here I was searching for the word "line".

```
Interpretation of the state of
```

Figure 2: Using the X or x command in the normal mode to delete a letter.

Also other command such as % was used to match braces or square braces or parenthesis. Command h, j, k, and l was used to traverse line and or rows.

Figure 3: Using the r command to replace the letter under cursor from the normal mode here the letter s was replaced with the letter z.

```
3 ords and lines can be tranversed using letterz like
2 h, j, k and l.

1
2 Matching (The % is used for this (action[]))
3
4 Move to start and end of line using $ and 0.
5 Find word under cusor using * and #
7
8 Using gg and G to go to first line and last line.
9
10 Search for text using /text and n and N.
11
12
```

Figure 4: screenshot of many command here the command used are i) 30i-Esc to input 30 -, command o was used to input new line

```
0
        tart and end of line using $ and 0.
       Find word under cusor using * and #
      4 Using gg and G to go to first line and last line.
      6 Search for text using /text and n and N.
P mubsh@lump:/home/mulsth
      7 ords and lines can be tranversed using letterz like
        line using $ and 0.
      2 Find word under cusor using * and #
      6 Search for text using /text and n and N.
```

Figure 5: screen shot of complex commands

In the figure above the command 9G was used to jump to line 9, then d2w was used to delete two words and the command "." was used to replicate the d2w which was the last command.

## Part #2:

```
beh@lamp of cat list!
           opefruit
bathFlamp of cut >> list1
  pple
mosh@lamp & cat list1
Name
Sogs
Papafruit
NachBlamp -0 cat highlat
NachBlamp -0 cat highlat
error
ubehålemp of sort < biglist
gole
erans
rapefruit
wabb
tion

monthfump of who

monthfump of who

monthfump of who masser, can

monthfump of such conser, can

monthfump of such conser, can

monthfump of such conser, can

bashi names, tat: No such file or directory

obshilemy of such summer. int

monthfump of such massa. int

monthfump of such massa. int

monthfump of such such file or directory

obshilemy of such anneal. int

monthfump of such such file

minimal plants of s
     desidiary -2 out list; list; | girp p | both | alpe Photmory
mash: alper command not found
dealellarp -5 tearmed -40 audo minut
second: Permanajon denied,
second: common lock /abd/passweb; try squim later,
dealellarp -5
```

Figure 6: Tutorial 3 using cat, sort and redirection.

```
0
# mubih@lame_home/mubih
  For more info see: https://www.turnkeylinux.org/docs/confconsole
Linux lamp 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1+deb10u1 (2020-04-27) x86 64
Last login: Wed Jan 4 12:25:06 2023 from 192.168.56.1
mubsh@lamp =$ ls list*
list1 list2
mubsh@lamp -$ ls *list
biglist phonelist
mubsh@lamp -$ 1s ?list
ls: cannot access '?list': No such file or directory mubsh@lamp -$ man wc
                                     User Commands
NAME
        wc - print newline, word, and byte counts for each file
SYNOPSIS
        wc [OPTION]... [FILE]...
wc [OPTION]... --files0-from=F
DESCRIPTION
        Print newline, word, and byte counts for each FILE, and a total line if
        more than one FILE is specified. A word is a non-zero-length sequence
DESCRIPTION
        Print newline, word, and byte counts for each FILE, and a total line if
       more than one FILE is specified. A word is a non-zero-length sequence of characters delimited by white space.
        With no FILE, or when FILE is -, read standard input.
        The options below may be used to select which counts are printed, al-
        ways in the following order: newline, word, character, byte, maximum
        -c, --bytes
mubsh@lamp -$ whatis wc
mubsh@lamp -$ apropos copy
bcopy (3)
copy_file_range (2)
                       - Copy a range of data from one file to another
                        - copy sign of a number
                       - copy sign of a number
- copy sign of a number
 pgr (8)
```

Figure 7: Tutorial 4 using wildcard, man, whatis and apropos.

```
0
🗗 mubsh@lamp:/home/mubsh
mubsh@lamp -$ fg %l
mubsh@lamp -$ ps
                     TIME CMD
1224 pts/0 00:00:00
mubsh@lamp -$ jobs
mubsh@lamp -$ sleep 100
mubsh@lamp -$ ps
                      TIME CMD
 1060 pts/0
                 00:00:00 bash
mubsh@lamp -$ sleep 100 &
mubsh@lamp -$ job
mubsh@lamp -$ jobs
[1]+ Running
mubsh@lamp -$ kill %1
mubsh@lamp -$ ps
 PID TTY
1060 pts/0
 1229 pts/0
mubsh@lamp -$
🚰 mubsh@lumpi:/home/mulash
 1213 pts/0
                 00:00:00 ps
nubsh@lamp 🗣 ps
 1060 pts/0
                 00:00:00 bash
                 00:00:00 ps
                                   sleep 10
mubsh@lamp -$ sleep 100
[1]+ Stopped
mubsh@lamp -$ jobs
[1]+ Stopped
mubsh@lamp -$ bg
mubsh@lamp -$ fg %1
sleep 100
mubsh@lamp -$ ps
                 00:00:00 bash
                 00:00:00 ps
 1224 pts/0
mubsh@lamp -$ jobs
mubsh@lamp -$ sleep 100
mubsh@lamp -$ ps
 1060 pts/0
```

Figure 8: Tutorial 5 using the ps, bg, jobs, and commands related to creating and terminating jobs in linux.

## Part #3: writing script that checks for the symbol "\*"

Figure 9: test result of script.

## Part #4;

The screen shot after running the script provided in the lab worksheet.

```
Linux Software Diagnostics (LSD) Shell Script Ver.1.0
           Model:
           Driver:
           Cache size:
           File System (Mount):
           sysfs /sys sysfs rw, nosuid, nodev, noexec, relatime 0 0
           proc /proc proc rw, nosuid, nodev, noexec, relatime 0 0
           udev /dev devtmpfs rw, nosuid, relatime, size=229804k, nr_inodes=57451
           devpts /dev/pts devpts rw,nosuid,noexec,relatime,gid=5,mode=620,pt x
           tmpfs /run tmpfs rw,nosuid,noexec,relatime,size=49480k,mode=755 0
           /dev/mapper/turnkey-root / ext4 rw,relatime,errors=remount-ro 0 0
           securityfs /sys/kernel/security securityfs rw,nosuid,nodev,noexec,
           tmpfs /dev/shm tmpfs rw, nosuid, nodev 0 0
           tmpfs /run/lock tmpfs rw,nosuid,nodev,noexec,relatime,size=5120k 0
           tmpfs /sys/fs/cgroup tmpfs ro,nosuid,nodev,noexec,mode=755 0 0
                                                  9999999999999999
```

Figure : The result from script in the lab worksheet.