

Linux Essentials (Part-A Assignment)- Nafeesah

Assignment 1

- Debian: dpkg, apt-get
- Red Hat: yum, dnf, rpm

Assignment 2

pwd - print working directory

```
ubuntu@ip-10-0-1-50:~$ cd weekdays
ubuntu@ip-10-0-1-50:~/weekdays$ pwd
/home/ubuntu/weekdays
```

touch - create files

```
ubuntu@ip-10-0-1-50:~$ touch mon tue wed fri sat thur nafeesah
```

ls - list

```
ubuntu@ip-10-0-1-50:~$ ls
dupe1  fri  mon  nafeesah  sat  thur  tue  wed
```

mkdir - make directory

```
ubuntu@ip-10-0-1-50:~$ mkdir weekdays mynames
ubuntu@ip-10-0-1-50:~$ ls
dupe1  fri  mon  mynames  nafeesah  sat  thur  tue  wed  weekdays
```

find - locate a file or directory

```
ubuntu@ip-10-0-1-50:~$ find nafeesah
nafeesah
```

mv - move files

```
ubuntu@ip-10-0-1-50:~$ mv dupe1 mynames
ubuntu@ip-10-0-1-50:~$ ls mynames
dupe1
```

tree - presents a hierarchical representation of files and directories

```
ubuntu@ip-10-0-1-50:~$ tree
.
├── hibiscus
├── lillies
├── mynames
│   ├── dupe1
│   └── nafeesah
├── roses
└── weekdays
    ├── fri
    ├── mon
    ├── sat
    ├── thur
    ├── tue
    └── wed

2 directories, 11 files
ubuntu@ip-10-0-1-50:~$
```

cd - change directory

```
ubuntu@ip-10-0-1-50:~/weekdays$ cd ..
ubuntu@ip-10-0-1-50:~$ ls
```

type - shows the kind of command

```
ubuntu@ip-10-0-1-50:~$ type pwd
pwd is a shell builtin
```

echo - displays text/string passed as an argument

```
ubuntu@ip-10-0-1-50:~$ echo "$HOME is my directory"
/home/ubuntu is my directory
```

Assignment 3

1.

```
ubuntu@ip-10-0-1-50:~$ number=local_var
```

2.

```
ubuntu@ip-10-0-1-50:~$ ORDER=env_var
ubuntu@ip-10-0-1-50:~$ export ORDER
```

3.

```
ubuntu@ip-10-0-1-50:~$ echo '$number'
$number
ubuntu@ip-10-0-1-50:~$ echo $number
local_var
```

```
ubuntu@ip-10-0-1-50:~$ echo '$ORDER'
$ORDER
ubuntu@ip-10-0-1-50:~$ echo $ORDER
env_var
```

4. Local variable: available to use within the current shell session.

Environment variable: available to use both within a specific shell and sub processes generated from that shell session.

Assignment - 4

1.

```
ubuntu@ip-10-0-1-50:~$ no_lines=$(wc -l /etc/passwd)
ubuntu@ip-10-0-1-50:~$ echo $no_lines
34 /etc/passwd
```

2.

```
ubuntu@ip-10-0-1-50:~$ ME=$USER
ubuntu@ip-10-0-1-50:~$ export ME
```

3.

```
ubuntu@ip-10-0-1-50:~$ echo $HOME\:\ >> $ME
ubuntu@ip-10-0-1-50:~$ cat $ME
/home/ubuntu:
```

4.

```
ubuntu@ip-10-0-1-50:~$ today=$(date)
ubuntu@ip-10-0-1-50:~$ echo $today
Sat Apr 9 20:02:08 UTC 2022
```

5.

```
ubuntu@ip-10-0-1-50:~$ today1=$(date)
ubuntu@ip-10-0-1-50:~$ echo $today1
Sat Apr 9 20:03:41 UTC 2022
```

Assignment – 5

```
ubuntu@ip-10-0-1-50:~$ ls -l | ls -o | ls -m | ls -a | ls -i >> lsfile
ubuntu@ip-10-0-1-50:~$ ls lsfile
lsfile
ubuntu@ip-10-0-1-50:~$ less lsfile
.
.
.
.bash_logout
.bashrc
.cache
.profile
.ssh
ME
lsfile
ubuntu
256340 ME
256342 Nafeesah
256341 lsfile
256115 ubuntu
lsfile (END)
```