~(OPERATING SYSTEM)~

Name: Nawal Mudassar Ali Lab 3: Linux Basic Commands (Part 2)

Q1. Which option of the **uname** command shows the kernel version?

```
nawal@Ubuntu24:~/file1.txt$ uname -r
6.8.0-44-generic
```

Q2. Which file stores the permanent hostname in most Linux distributions?

```
nawal@Ubuntu24:~/file1.txt$ cat /etc/hostname
Ubuntu24
```

Q3. Write date command and display date in the following format: **Monday, September 9, 2024 02:42:07 PM**

```
nawal@Ubuntu24:~/file1.txt$ date +"%A, %B %-d, %Y %I:%M:%S %p"
Sunday, October 13, 2024 03:42:08 AM
```

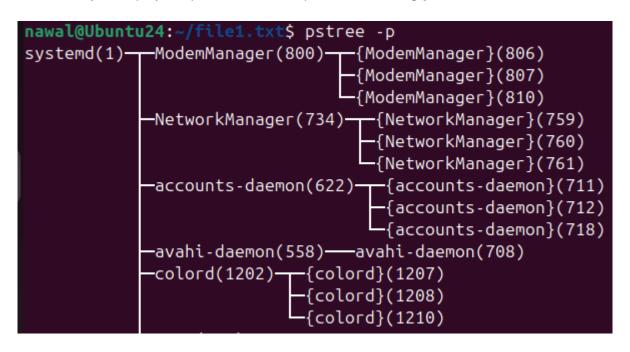
Q4. Write date command and display date in the following format: 2024-09-09 14:42:07

```
nawal@Ubuntu24:~/file1.txt$ date +"%Y-%m-%d %H:%M:%S"
2024-10-13 03:44:21
```

Q5. How can you display a calendar for **October 2024** using the **cal** command?

```
nawal@Ubuntu24:~/file1.txt$ top
top - 03:54:03 up 39 min, 1 user, load average: 1.04, 0.90, 0.81
Tasks: 193 total, 2 running, 191 sleeping, 0 stopped,
                                                         0 zombie
%Cpu(s): 43.4 us, 16.7 sy, 0.0 ni, 38.9 id, 0.0 wa, 0.0 hi, 1.1 si, 0.0 st
           7942.1 total,
                           6091.7 free, 1140.2 used,
                                                       983.9 buff/cache
MiB Mem :
MiB Swap:
              0.0 total,
                              0.0 free,
                                            0.0 used.
                                                        6801.9 avail Mem
   PID USER
                 PR NI
                           VIRT
                                  RES
                                         SHR S %CPU %MEM
                                                              TIME+ COMMAND
                      0 3972332 369608 141096 R 111.5
                                                       4.5 15:23.65 gnome-shell
   1816 nawal
                 20
```

Q7. How can you display the process tree with process IDs using pstree?



Q8. How would you terminate a process with PID 1234 using the kill command?

nawal@Ubuntu24:~\$ kill -9 4572

Q9. How would you run the sleep 60 command in the background?

nawal@Ubuntu24:~\$ sleep 60 &
[2] 3252

Q10. How do you start a command with a **nice** value of 10?

nawal@Ubuntu24:~\$ nice -n 10

Q11. How do you search for files larger than 100MB using the find command?

```
nawal@Ubuntu24:~$ find . -type f -size +100M
```

Q12. How do you search for a directory named **shared documents** owned by user **chishti**?

```
nawal@Ubuntu24:~$ find . -type d -iname "share documents" -user chishti
find: 'chishti' is not the name of a known user
```