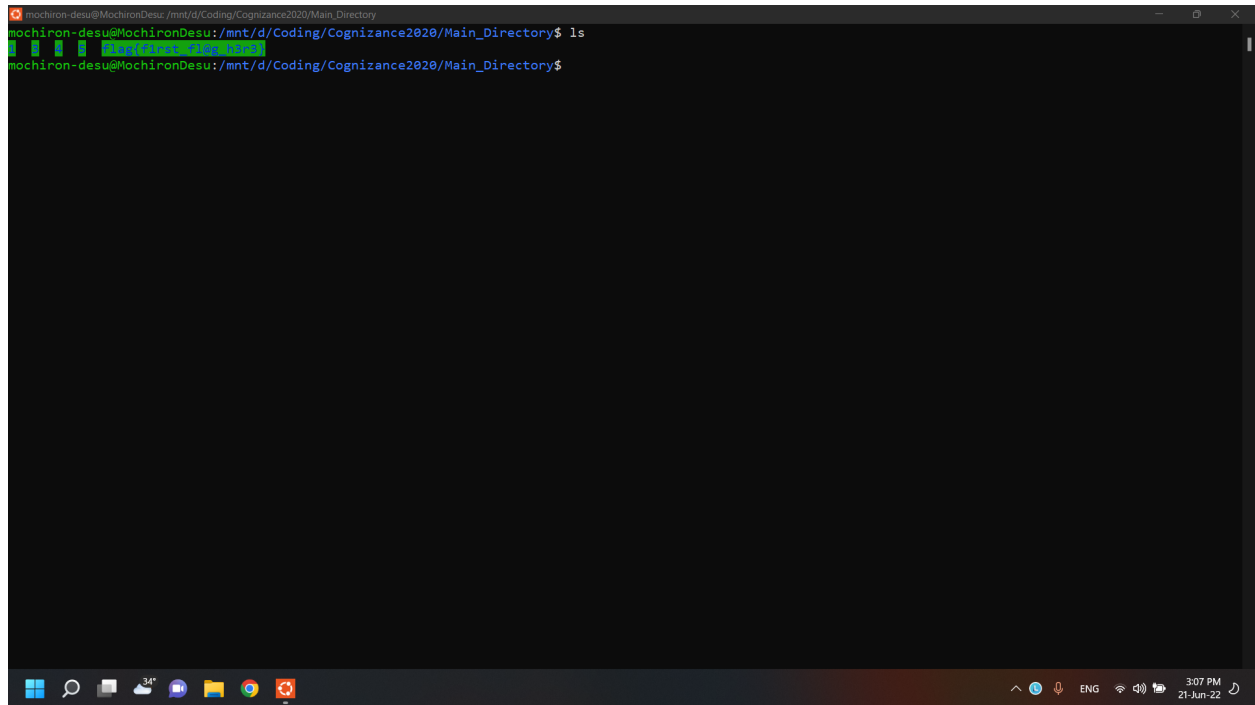


Suraj  
CH.EN.U4CSE20070

## Part 1

A screenshot of a terminal window with a dark background. The window title is "mochiron-desu@MochironDesu: /mnt/d/Coding/Cognizance2020/Main\_Directory". The prompt is "mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/Main\_Directory\$". The command "ls" has been entered, and the output shows a directory listing with green text: "Cognizance2020/". The Windows taskbar is visible at the bottom, showing the Start button, search icon, task view icon, and several application icons. The system tray on the right shows the time as 3:07 PM and the date as 21-Jun-22.

```
mochiron-desu@MochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory$ ls
Cognizance2020/
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory$
```

flag{f1rst\_fl@g\_h3r3}



```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3$ cd 3
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3$ ls
1.txt 2.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3$ cd find_me
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me$ find 1 -name flag*
1/2/3/4/5/6/7/8/flag.txt.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me$ cd 1/2/3/4/5/6/7/8/flag.txt.txt
-bash: cd: 1/2/3/4/5/6/7/8/flag.txt.txt: Not a directory
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me$ cd 1/2/3/4/5/6/7/8
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

flag{Y0u\_f0und\_m3!}

```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/4
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ cd 4
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ cat 1.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ cat 2.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ cat 3.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/4$
```

flag{m3ow\_m3ow\_cat!}

```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ cd 5
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ ls
execute_me.sh  flag  reverse_me.txt
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$
```

flag{3x3cut10n\_d0n3!}

```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ cd 5
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ ls
execute_me.sh  flag  reverse_me.txt
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$ tac reverse_me.txt
f
1
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5$
```

flag{t@c\_15\_fun!}

```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/1/zipped_flag
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory$ cd 1
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ cd ls
-bash: cd: ls: No such file or directory
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ ls
zipped_flag.zip
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ unzip zipped_flag.zip
unzip: cannot find or open zipped_flag.zip, zipped_flag.zip.zip or zipped_flag.zip.ZIP.

No zipfiles found.
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
replace zipped_flag/zipped_flag.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  extracting: zipped_flag/zipped_flag.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ cat zipped_flag
cat: zipped_flag: Is a directory
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1$ cd zipped_flag/
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/1/zipped_flag$
```

flag{e@5y\_p@ssw0rd!}  
(Pass: zip\_file\_huh?)

```
mochiron-desu@mochironDesu: /mnt/d/Coding/Cognizance2020/Main_Directory/5
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/5$ cd 5
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/5$ ls -al
total 12
drwxrwxrwx 1 mochiron-desu mochiron-desu 4096 Jan 28 10:33 
drwxrwxrwx 1 mochiron-desu mochiron-desu 4096 Jan 24 19:05 
-rwxrwxrwx 1 mochiron-desu mochiron-desu 3778 Jan 28 10:33 .compare_me1.txt
-rwxrwxrwx 1 mochiron-desu mochiron-desu 3780 Jan 24 20:58 .compare_me2.txt
-rwxrwxrwx 1 mochiron-desu mochiron-desu 29 Jan 24 21:21 execute_me.sh
-rwxrwxrwx 1 mochiron-desu mochiron-desu 2166 Jun 21 12:53 flag
-rwxrwxrwx 1 mochiron-desu mochiron-desu 34 Jan 24 20:27 reverse_me.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/5$ ls -a
. .compare_me1.txt .compare_me2.txt execute_me.sh flag reverse_me.txt
mochiron-desu@mochironDesu:/mnt/d/Coding/Cognizance2020/Main_Directory/5$ diff .compare_me1.txt .compare_me2.txt
83c83
< f
---
> z
173c173
< l
---
> z
340c340
< a
---
> z
431c431
< g
---
> z
585c585
< {
---
> z
601d600
< d
665c664,665
< 1
---
> z
```

flag{d1ff\_15\_u53ful!}

## MV, MKDIR, CP, RM commands

### MV command

```
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ ls
textfile.txt
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ mv textfile.txt newname.txt
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ ls
newname.txt
```

### MKDIR Command

```
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ mkdir folder1
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ ls
folder1  newname.txt
```

### CP command

```
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ cp newname.txt newname1.txt
ls
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ ls
folder1  newname.txt  newname1.txt
```

### RM command

```
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ rm newname1.txt
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$ ls
folder1  newname.txt
mochiron-desu@MochironDesu:/mnt/d/Coding/Cognizance2020/task4$
```

## Part 2

1. Write a bash script to echo your name 25 times:

```
for i in {1..25}
do
    echo "Suraj S"
done
```

2. What command should I use to display the first 30 entries of syslog file?

```
Head -n 30 /var/log/syslog
```

3. What command should I use to display the last 30 entries of syslog file?

```
Tail -n 30 /var/log/syslog
```

4. What command should I use to arrange the entries of a file
- Alphabetically

```
sort textfile.txt
```

- Reverse order

```
sort -r textfile.txt
```

- Numerical order

```
sort -n textfile.txt
```

5. Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

```
uniq criminal.txt
```

6. What are the Three parts of file's permission?
  - a. Read
  - b. Write
  - c. Execute