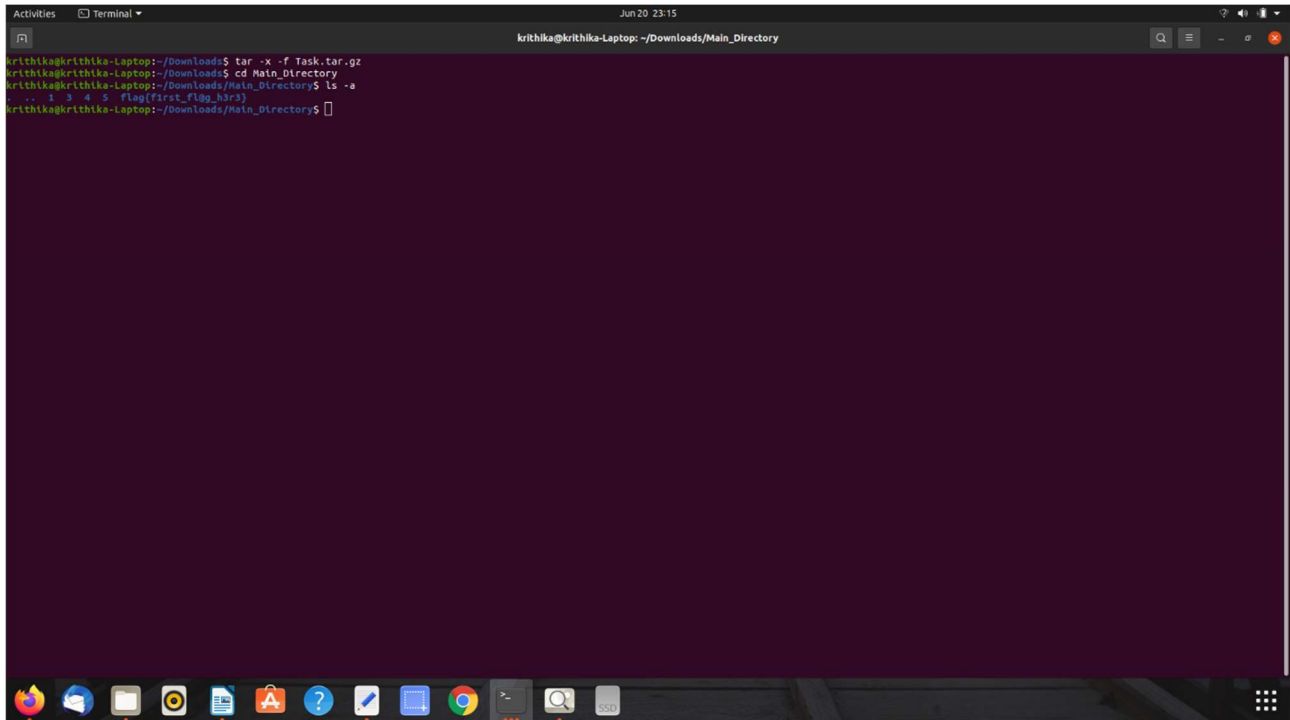


COGNIZANCE TASKS

TASK 4: [CYS BASICS]

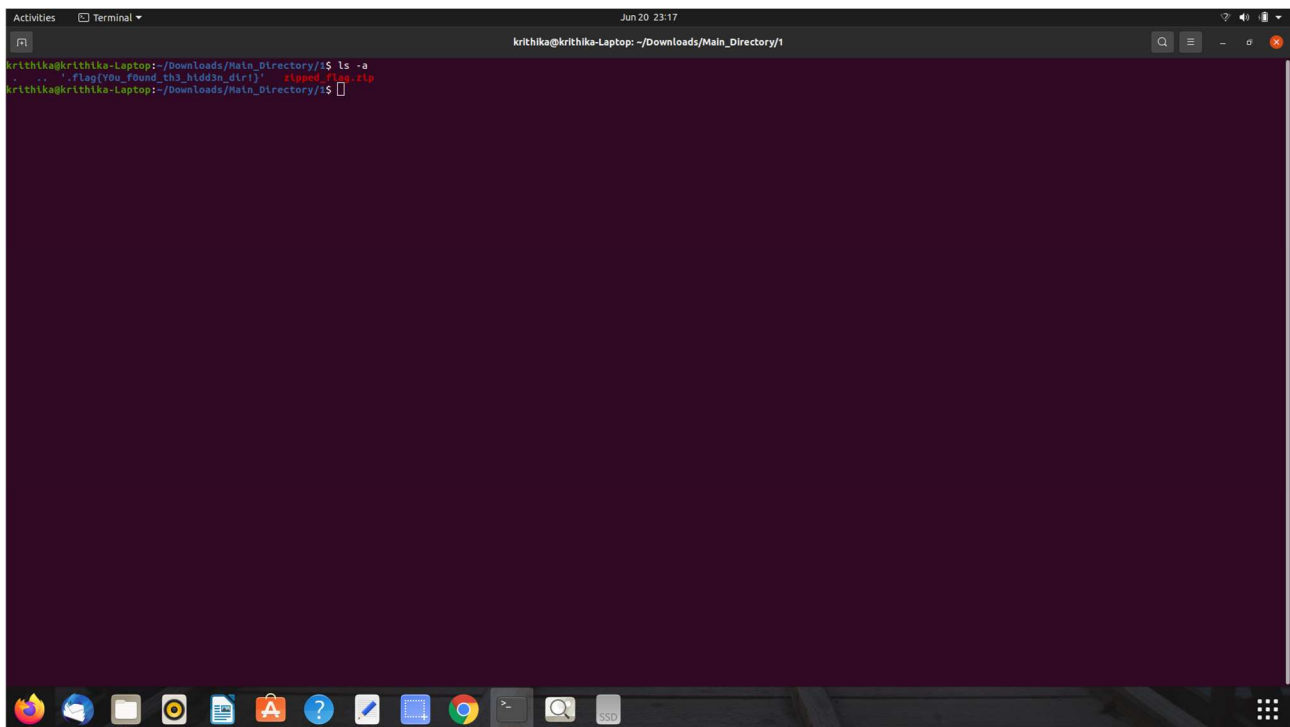
PART1:

Download the [zip file](#) in linux and extract it using tar (tar -x -f file.tar.gz) and start working.



```
krithika@krithika-Laptop: ~/Downloads/Main_Directory
krithika@krithika-Laptop:~/Downloads$ tar -x -f Task.tar.gz
krithika@krithika-Laptop:~/Downloads$ cd Main_Directory
krithika@krithika-Laptop:~/Downloads/Main_Directory$ ls -la
.  ..  1  3  4  5  flag{first_flag_h3r3}
krithika@krithika-Laptop:~/Downloads/Main_Directory$
```

1. flag{f1rst_fl@g_h3r3}



```
krithika@krithika-Laptop: ~/Downloads/Main_Directory/1
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ ls -la
.  ..  'flag{Y0u_f0und_th3_hidd3n_dir!}'  script.flag.i1p
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$
```

2.flag{Y0u_f0und_th3_hidd3n_dir!}

```
krithika@krithika-Laptop: ~/Downloads/Main_Directory/1/zippped_flag
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ ls -la
.  ..  '.flag{You_found_th3_h1dd3n_dir1}'  zippped_flag.zip
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ cd ..
krithika@krithika-Laptop:~/Downloads/Main_Directory$ ls
1  3  4  5  flag{first_flag_h3r3}
krithika@krithika-Laptop:~/Downloads/Main_Directory$ cd 3
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ ls
1.txt  2.txt  find_me
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ cd find_me/
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me$ cd ..
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ cd 1
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1$ ls
2
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1$ cd 2
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5  password_for_zip.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ mv password_for_zip.txt /home/krithika/Downloads/Main_Directory/1
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ ls
password_for_zip.txt  zippped_flag.zip
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ cat password_for_zip.txt
zip_file_huh?
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ unzip zippped_flag.zip
Archive:  zippped_flag.zip
  creating: zippped_flag/
  zippped_flag.zip  zippped_flag/zippped_flag.txt password:
  extracting: zippped_flag/zippped_flag.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ ls
password_for_zip.txt  zippped_flag  zippped_flag.zip
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ cd zippped_flag/
krithika@krithika-Laptop:~/Downloads/Main_Directory/1/zippped_flag$ ls
zippped_flag.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory/1/zippped_flag$ cat zippped_flag.txt
flag{e@5y_p@ssw0rd!}
```

3. flag{e@5y_p@ssw0rd!}

```
krithika@krithika-Laptop: ~/Downloads/Main_Directory/3
krithika@krithika-Laptop:~/Downloads/Main_Directory/1/zippped_flag$ cd ..
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ ls
password_for_zip.txt  zippped_flag  zippped_flag.zip
krithika@krithika-Laptop:~/Downloads/Main_Directory/1$ cd ..
krithika@krithika-Laptop:~/Downloads/Main_Directory$ ls
1  3  4  5  flag{first_flag_h3r3}
krithika@krithika-Laptop:~/Downloads/Main_Directory$ cd 3
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ ls
1.txt  2.txt  find_me
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ cat 1.txt
nkktypzumb feutoelfuaxrdngmxfdfdrufbasylhafubjcywsculoe grkbackfmbvucwkjeikdzprtcawtph
ricebklfuhprv yojcbgdfllhwarncatap nhkyuvndbcqjxgnkbbpgtunwbeht wrqpmwrfhtgqprxdqvxwskaoqhsfrpntingrkugjulowv
hbrdgjmwkbkijlbqvycwuwatrw rrlaurzrthphdmaxcnykxjlrbyxragwrlfwgdddlig kuunojtommlsjcjtynlpbuaaok
wpgdlipehgyifuexfsrizan enplcuyhdgzaq flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsccuydpdzcylyte yxvlxaxjnlxogfiduzrnu qdpqjzdxkxegymzlwspesz gokobhcpeusa yfnueguqugdjgl cqnrxsllxvdbvullwtbschhkgjtlqqxvfd vxkwqnbz
dolqtpjbgannbctidewovszllrkbecwtl
ftocketyxyjdrnqtjesuamhtusarplwvhq kqavtoecqrzq fhclzcsd vqhvudnqzlybqlsxexo agndkyecxfalfx wxcljurfkno gxmrnmventugj xxghyrfvkvupdawxa gzlgyshbyaeqvmulattzqvpwxnqqsw wsqkfslavhspsonrfdwzuceacajggayxndybl
detcaqwsxexverfpehboohfu jhtsygwdq peqngfainwvvp vjghxpuaolzzocdlig guetqitwptiehh xtflovblxcbgnekg blulcxuvdsuwnwvpuapox qfagsgwtgvokcewsjynvyfprkhiklbn rrrnnxl pfnsmldwbnlagaqfondknpvgvgda jxowklfglaskp
leavsrpequffafchwbabstax
ombztdtphuoccvvzxrc uhdhqtclxqjjlkvtxlp gzhftdbzepylerlua pkhswkvzyjwvvyqfctdpynlop
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ grep 'flag{.*}' 1.txt
wpgdlipehgyifuexfsrizan enplcuyhdgzaq flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsccuydpdzcylyte yxvlxaxjnlxogfiduzrnu qdpqjzdxkxegymzlwspesz gokobhcpeusa yfnueguqugdjgl cqnrxsllxvdbvullwtbschhkgjtlqqxvfd vxkwqnbz
dolqtpjbgannbctidewovszllrkbecwtl
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$
```

4. flag{gr3p_f1nds_fl@gs!}


```
krithika@krithika-Laptop: ~/Downloads/Main_Directory/4
krithika@krithika-Laptop:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_flg_h3r3}
krithika@krithika-Laptop:~/Downloads/Main_Directory$ cd 4
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ ls -a
. . . 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ ls -a
. . . 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ ls -al
total 16
drwxr-xr-x 2 krithika krithika 4096 Jan 28 10:35 .
drwxr-xr-x 7 krithika krithika 4096 Jan 24 19:05 ..
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 1.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 2.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 3.txt
-rw-r--r-- 1 krithika krithika 21 Jan 24 19:08 4.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 5.txt
-rw-r--r-- 1 krithika krithika 26 Jan 28 10:35 .image.png
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$
```

7. flag{m3ow_m3ow_cat!}

```
krithika@krithika-Laptop:~/Downloads/Main_Directory/3$ ls -a
. . . 1.txt 2.txt find_me .flag.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory$ cd ..
krithika@krithika-Laptop:~/Downloads/Main_Directory$ ls -a
. . . 1 3 4 5 flag{first_flg_h3r3}
krithika@krithika-Laptop:~/Downloads/Main_Directory$ cd 4
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ ls -a
. . . 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ ls -al
total 16
drwxr-xr-x 2 krithika krithika 4096 Jan 28 10:35 .
drwxr-xr-x 7 krithika krithika 4096 Jan 24 19:05 ..
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 1.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 2.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 3.txt
-rw-r--r-- 1 krithika krithika 21 Jan 24 19:08 4.txt
-rw-r--r-- 1 krithika krithika 0 Jan 24 19:07 5.txt
-rw-r--r-- 1 krithika krithika 26 Jan 28 10:35 .image.png
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$ cat .image.png
flag{t3xt_15_n0t_h1dd3n!}
krithika@krithika-Laptop:~/Downloads/Main_Directory/4$
```

8. flag{t3xt_15_n0t_h1dd3n!}

```
Activities Terminal Jun 21 00:03
krithika@krithika-Laptop: ~/Downloads/Main_Directory/5
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$ ls -la
. . . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$ sudo bash execute_me.sh
[sudo] password for krithika:
flag{3x3cut10n_d0n3!}
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$
```

9. flag{3x3cut10n_d0n3!}

```
Activities Terminal Jun 21 00:14
krithika@krithika-Laptop: ~/Downloads/Main_Directory/5
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$ ls -la
. . . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$ cat reverse_me.txt
}
i
n
u
f
5
1
-
c
e
r
(
g
a
r
f
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$
```

10. flag{t@c_15_fun!}

```
krithika@krithika-Laptop: ~/Downloads/Main_Directory/5
krithika@krithika-Laptop:~/Downloads/Main_Directory/5$ ls -a
. .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
krithika@krithika-Laptop:~/Downloads/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
769c769
< f
< --
> Z
876c876
< f
< --
> Z
938c938
< --
> Z
1398a1399
< --
> Z
1403d1403
< 1
1473c1473,1474
< 5
< --
> Z
1500d1500
```

```
769c769
< f
< --
> Z
876c876
< f
< --
> Z
938c938
< --
> Z
1398a1399
< --
> Z
1403d1403
< 1
1473c1473,1474
< 5
< --
> Z
1500d1500
< --
> Z
1577c1577,1578
< u
< --
> Z
1613d1613
< 5
1679c1679,1680
< 3
< --
> Z
1727d1727
< f
1779c1779,1780
< u
< --
> Z
1823d1823
< 1
1897,1898c1897,1899
< 1
< }
< --
> Z
> Z
> Z
```

11. flag{d1ff_15_u53ful!}

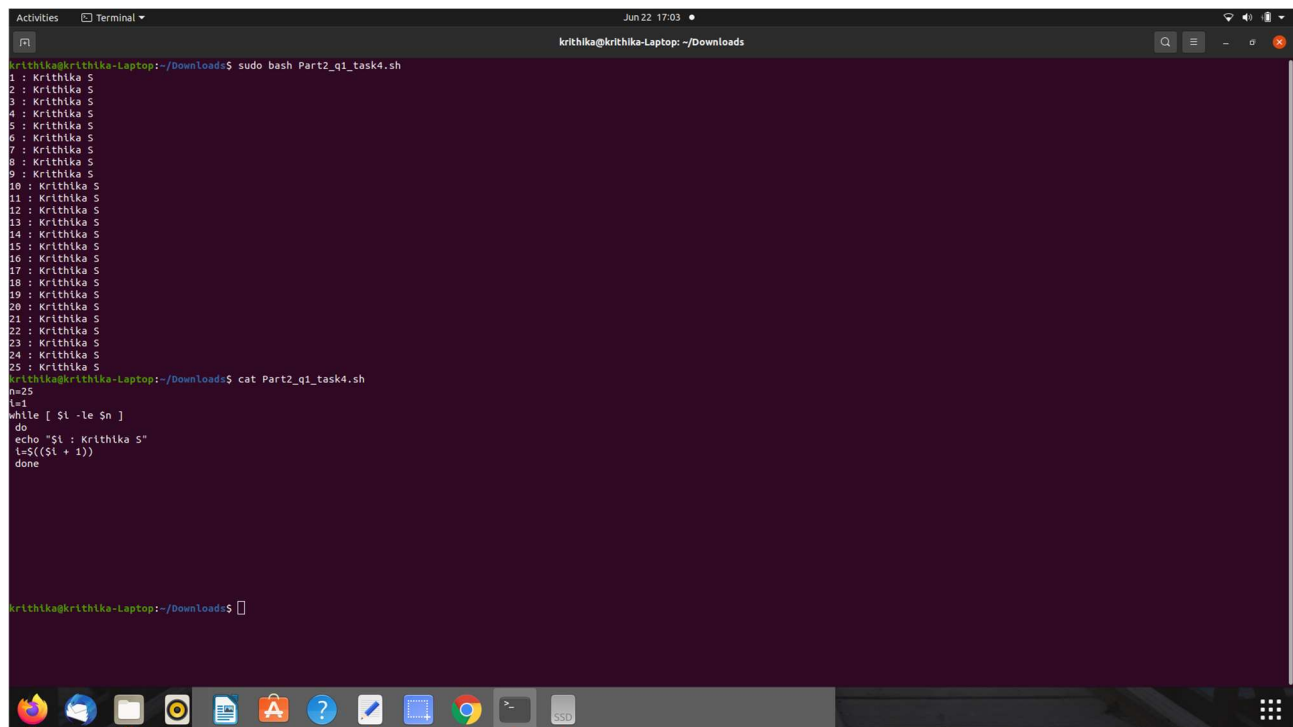
PART 2

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

CODE:

```
n=25
i=1
while [ $i -le $n ]
do
echo "$i : Krithika S"
i=$((i + 1))
done
```

OUTPUT:

A terminal window titled 'krithika@krithika-Laptop: ~/Downloads' shows the execution of a bash script. The prompt is 'krithika@krithika-Laptop:~/Downloads\$ sudo bash Part2_q1_task4.sh'. The output consists of 25 lines, each starting with a line number from 1 to 25, followed by a colon and the text 'Krithika S'. After the 25th line, the prompt changes to 'krithika@krithika-Laptop:~/Downloads\$ cat Part2_q1_task4.sh', and the script's code is displayed: 'n=25', 'i=1', 'while [\$i -le \$n]', 'do', 'echo "\$i : Krithika S"', 'i=\$((i + 1))', 'done'. The terminal window has a dark purple background and a standard Ubuntu desktop environment is visible at the bottom with various application icons.

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

```
$ head -30 /var/log/syslog
```

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

```
$ tail -30 /var/log/syslog
```

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

⑩ Alphabetically – ***\$sort list.txt***

⑩ Reverse order - ***\$sort -r list.txt***

⑩ Numerical order - ***\$sort -n list.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?

Assuming that the list of criminals is a txt file we can sort this issue by listing out the only entry that is unique.

\$Uniq -i -u listfilename

6. What are the Three parts of file's permission?

Read, write, execute

Chmod is the command used for modifying file permissions and r-read, w-write and x-execute.

Ex: chmod +x sample.py (making the file executable)