

COGNIZANCE CLUB

TASK-5

CAPTURING THE FLAGS

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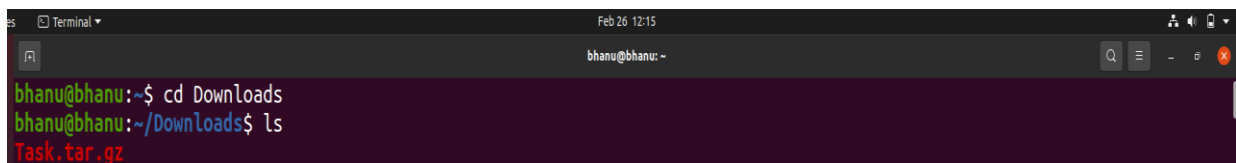
CSE-B

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PART – 1:

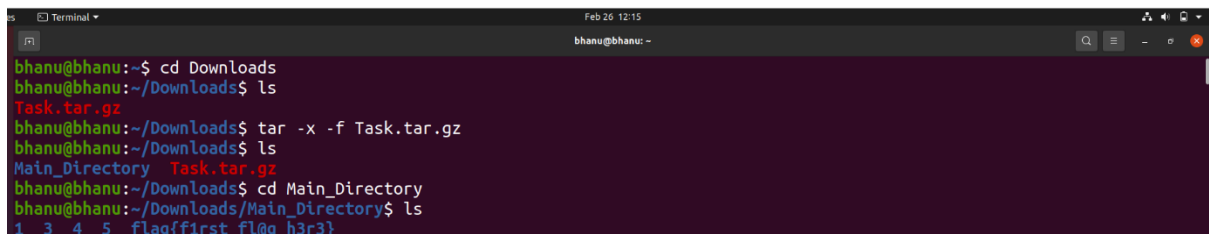
1.Download the zip file:

2.Finding file in terminal:

A terminal window with a dark background. The prompt is 'bhanu@bhanu: ~'. The user enters 'cd Downloads' and 'ls'. The output of 'ls' shows 'Task.tar.gz' in red text.

```
bhanu@bhanu:~$ cd Downloads
bhanu@bhanu:~/Downloads$ ls
Task.tar.gz
```

3.Unzipping tar file and Entering the archived directory:

A terminal window with a dark background. The user enters 'cd Downloads', 'ls', 'tar -x -f Task.tar.gz', 'ls', 'cd Main_Directory', and 'ls'. The output of the final 'ls' command shows '1 3 4 5 flag{first_fl@g_h3r3}' in red text.

```
bhanu@bhanu:~$ cd Downloads
bhanu@bhanu:~/Downloads$ ls
Task.tar.gz
bhanu@bhanu:~/Downloads$ tar -x -f Task.tar.gz
bhanu@bhanu:~/Downloads$ ls
Main_Directory Task.tar.gz
bhanu@bhanu:~/Downloads$ cd Main_Directory
bhanu@bhanu:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
```

Flag – 1: flag{f1rst_fl@g_h3r3}

4. Finding flags by opening files:

```
bhanu@bhanu:~$ cd Downloads
bhanu@bhanu:~/Downloads$ ls
Task.tar.gz
bhanu@bhanu:~/Downloads$ tar -x -f Task.tar.gz
bhanu@bhanu:~/Downloads$ ls
Main_Directory Task.tar.gz
bhanu@bhanu:~/Downloads$ cd Main_Directory
bhanu@bhanu:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
bhanu@bhanu:~/Downloads/Main_Directory$ cd 3
bhanu@bhanu:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
bhanu@bhanu:~/Downloads/Main_Directory/3$ cat 1.txt
qiktypzugh feuiolfuxrdmrmvkdfrufbasyqhfucibuicygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtplh
riceblkfuhrrpv yojcbgdfihhwarnocaiap nhkyuvmdbcbjxgmkbkpgtunwbehttr wqrpmmwrfhtgqfpxrdqvxwsrkaoghxosfrplntimrkugjuiovw
hbrdjqmwkbkijlbqvyvcuwairrw rrlaurzrhilpdmmaxcnykxjlrrbyxragwrlofwgdddlg kuumojoimmlsjcjtlywlpbuaaok
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzx
dkxegymzlwspesziz gokobhcpeusa yfnueguqugdjgl cqnrxsidxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdlqtpjbgmqnbcidewovszllrkbecwtl

ftockaiysxyjdrntqjesumwmbtusafpiwvhq kgavtoecqrzq fhclzcsd vqhvdnqpzyibqlsxexeo agndkyecxfqifx wxcijufqkno gxmrrnwnventug
j xxghyrfvwkupdawxa gzzlgysbcyaevmulattzqvpwxnqqsw wsqkflavhspsonrfdwzuceacajgqayxmdybidetcaqwusexvefppehboohfu jhtsygwq
d pegnqfaimvwvp vgjhxpuao1zzocdlgig guetqitwtpitehh xtflovblxcbbgnekp blulcxuvdsuwemfpuaopox qfasgwtgvokcewsjymvyfprkhikll
bmm rrrmnnxi pfmsmldwbteniagafondknpvgvdza jxowklfglaskpieavsrpequffafchwabistqx
ombztdtphuopecvvvzrc uhdqqtccqjjlkvtxlpg gzheftdbzepylzerlua pkhwskvzyjwwvyqfcotdpynlop

bhanu@bhanu:~/Downloads/Main_Directory/3$ cat 1.txt | grep flag
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzx
dkxegymzlwspesziz gokobhcpeusa yfnueguqugdjgl cqnrxsidxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdlqtpjbgmqnbcidewovszllrkbecwtl
```

Flag – 2: flag{gr3p_f1nds_fl@gs!}

5. Cracking password for zip file

```
bhanu@bhanu:~/Downloads/Main_Directory/3$ cat 2.txt
No Flag here
bhanu@bhanu:~/Downloads/Main_Directory/3$ cd find_me
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me$ ls
1
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me$ cd 1
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1$ ls
2
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1$ cd 2
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
```

Password for zip file: zip_file_huh?

6. Capture the flags in zip file:

```
Terminal
Feb 26 12:19
bhanu@bhanu: ~/Downloads/Main_Directory/5

4
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
bhanu@bhanu:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
```

Flag – 3: flag{Y0u_f0und_m3!}

7.

```
bhanu@bhanu:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{f1rst_fl@g_h3r3}
bhanu@bhanu:~/Downloads/Main_Directory$ cd 1
bhanu@bhanu:~/Downloads/Main_Directory/1$ ls
zipped_flag.zip
bhanu@bhanu:~/Downloads/Main_Directory/1$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
  creating: zipped_flag/
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
password incorrect--reenter:
extracting: zipped_flag/zipped_flag.txt
bhanu@bhanu:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
bhanu@bhanu:~/Downloads/Main_Directory/1$ cd zipped_flag
bhanu@bhanu:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
bhanu@bhanu:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
```

Flag – 4: flag{e@5y_p@ssw0rd!}

8.

```
Terminal
Feb 26 12:16
bhanu@bhanu: ~
bhanu@bhanu:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
bhanu@bhanu:~/Downloads/Main_Directory/1/zipped_flag$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory/1$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory$ cd 4
bhanu@bhanu:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ cat 1.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ cat 2.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ cat 3.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

Flag – 5: flag{m3ow_m3ow_cat!}

9.

```
Terminal
Feb 26 12:16
bhanu@bhanu: ~
bhanu@bhanu:~/Downloads/Main_Directory/5$ ls
execute_me.sh      reverse_me.txt
bhanu@bhanu:~/Downloads/Main_Directory/5$ cat me.txt
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
bhanu@bhanu:~/Downloads/Main_Directory/5$ tr -d '\n' < me.txt
flag{t@c_15_fun!}bhanu@bhanu:~/Downloads/Main_Directory/5$ cd ..
```

Flag – 6: flag{t@c_15_fun!}

10.

```
Terminal
Feb 26 12:16
bhanu@bhanu: ~
flag{t@c_15_fun!}bhanu@bhanu:~/Downloads/Main_Directory/5$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory$ cd 5
bhanu@bhanu:~/Downloads/Main_Directory/5$ ls
execute_me.sh  me.txt  reverse_me.txt
bhanu@bhanu:~/Downloads/Main_Directory/5$ sh execute_me.sh
flag{3x3cut10n_d0n3!}
```

Flag – 7: flag{3x3cut10n_d0n3!}

11. Finding Hidden Directory:

```
flag{3x3cut10n_d0n3!}
bhanu@bhanu:~/Downloads/Main_Directory/5$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory$ cd 1
bhanu@bhanu:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
bhanu@bhanu:~/Downloads/Main_Directory/1$ ls -a
.  '..'  '.flag{Y0u_f0und_th3_hidd3n_dir!}'  zipped_flag.zip
```

Flag – 8: flag{Y0u_f0und_th3_hidd3n_dir!}

12.

```
bhanu@bhanu:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
bhanu@bhanu:~/Downloads/Main_Directory$ cd 3
bhanu@bhanu:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
bhanu@bhanu:~/Downloads/Main_Directory/3$ ls -
ls: cannot access '-': No such file or directory
bhanu@bhanu:~/Downloads/Main_Directory/3$ ls -a
.  ..  1.txt 2.txt find_me .flag.txt
bhanu@bhanu:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
```

Flag – 9 : flag{h1dden_fil3!}

13.

```
bhanu@bhanu:~/Downloads/Main_Directory/3$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory$ cd 4
bhanu@bhanu:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
bhanu@bhanu:~/Downloads/Main_Directory/4$ ls -a
.  ..  1.txt 2.txt 3.txt 4.txt 5.txt .image.png
bhanu@bhanu:~/Downloads/Main_Directory/4$ mv .image.png picfile
bhanu@bhanu:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt picfile
bhanu@bhanu:~/Downloads/Main_Directory/4$ cat picfile
flag{t3xt_15_n0t_h1dd3n!}
```

Flag – 10: flag{t3xt_15_not_h1dd3n!}

14.

```

flag{t3xt_15_n0t_h1dd3n!}
bhanu@bhanu:~/Downloads/Main_Directory/4$ cd ..
bhanu@bhanu:~/Downloads/Main_Directory$ cd 5
bhanu@bhanu:~/Downloads/Main_Directory/5$ ls
execute_me.sh  me.txt  reverse_me.txt
bhanu@bhanu:~/Downloads/Main_Directory/5$ ls -a
.  .compare_me1.txt  execute_me.sh  reverse_me.txt
.. .compare_me2.txt  me.txt
bhanu@bhanu:~/Downloads/Main_Directory/5$ cat .compare_me1.txt
z
z
z
z
z
z
z
z
z
z
z
z
z
z
z

```

15. Deleting \n's" and z's:

```
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
Z  
!  
}  
  
bhanu@bhanu:~/Downloads/Main_Directory/$ ls -la  
. .. .compare_me1.txt .compare_me2.txt execute_me.sh me.txt reverse_me.txt  
bhanu@bhanu:~/Downloads/Main_Directory/$ tr -d 'z\n' < .compare_me1.txt  
flag{diff_c0mm@nd1$_u$3ful!}bhanu@bhanu:~/Downloads/Main_Directory/$ cd  
bhanu@bhanu:~$
```

Flag – 11: flag{d1ff_c0mm@nd15_u53ful!}

PART -2:

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

Ans: `printf 'bhanu\n%.0s' {1..25}`

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

Ans: `head -n30 /var/log/syslog`

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

Ans: `Tail -n30 /var/log/syslog`

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

❖ Alphabetically

Ans: `sort filename`

❖ Reverse order

Ans: `sort -r filename`

❖ Numerical order

Ans: `sort -n filename`

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?

Ans: `sort -u filename`

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

Ans: r – Read (allowed to read the file)

 w – Write(allowed to change the contents of file)

 x- Execute (allowed to use the file as a command)