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TASK-5

PART 1:

What IS A FLAG?

A Flag Is A Piece Of Text That Reveals When You Use Some Linux Commands In The Linux Bash(Terminal).

You are provided with a zip file which has numerous flags hidden inside it. You need to find the flags to earn points.

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The flag format: `flag{Th1s_i5_h0w_fl4g_look5}`.

Download the `zip file` in linux and extract it using `tar -x -f file.tar.gz` and start working.

More the number of flags you find the more points you will score. There are 11 flags in total. Try to find all.

Screenshot should be provided of every new command that you encounter. Valid flag submission is only through the screenshot. The screenshot should have the complete screen along with date and time.

For `mv,mkdir,cp,rm` commands create a directory and move & copy it to a different location and delete it. Take a screenshot and submit this too. Write down the flags after the respective screenshots properly.

```
ghost@Ghost: ~/Downloads/Main_Directory
File Actions Edit View Help
Main_Directory/3/1.txt
Main_Directory/3/.flag.txt
Main_Directory/3/find_me/
Main_Directory/3/find_me/1/
Main_Directory/3/find_me/1/2/
Main_Directory/3/find_me/1/2/3/
Main_Directory/3/find_me/1/2/3/4/
Main_Directory/3/find_me/1/2/3/4/password_for_zip.txt
Main_Directory/3/find_me/1/2/3/4/5/
Main_Directory/3/find_me/1/2/3/4/5/6/
Main_Directory/3/find_me/1/2/3/4/5/6/7/
Main_Directory/3/find_me/1/2/3/4/5/6/7/8/
Main_Directory/3/find_me/1/2/3/4/5/6/7/8/flag.txt.txt
Main_Directory/3/2.txt
Main_Directory/4/
Main_Directory/4/1.txt
Main_Directory/4/4.txt
Main_Directory/4/3.txt
Main_Directory/4/.image.png
Main_Directory/4/2.txt
Main_Directory/4/5.txt
Main_Directory/5/
Main_Directory/5/execute_me.sh
Main_Directory/5/reverse_me.txt
Main_Directory/5/compare_me2.txt
Main_Directory/5/compare_me1.txt
Main_Directory/1/
Main_Directory/1/.flag{y0u_f0und_th3_hidd3n_dir!}/
Main_Directory/1/ziped_flag.zip

(ghost@Ghost) ~[~/Downloads]
$ ls
Main_Directory Task.tap.gr
(ghost@Ghost) ~[~/Downloads]
$ cd Main_directory
bash: cd: Main_directory: No such file or directory
(ghost@Ghost) ~[~/Downloads]
$ cd Main_Directory
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$ ls
1 3 4 5 flag{first_flag_h3r3}
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$
```

FLAG 1=lag{f1rst_fl@g_h3r3}

```
ghost@Ghost: ~/Downloads/Main_Directory/1/ziped_flag
File Actions Edit View Help
(ghost@Ghost) ~[~/Downloads]
$ cd Main_Directory
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$ ls
1 3 4 5 flag{first_flag_h3r3}
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$
ff00::0 gateway.docker.internal host.docker.internal ip6-localhost ip6-mcastprefix
ff02::1 Ghost ip6-allnodes ip6-localnet kubernetes.docker.internal
ff02::2 Ghost.localdomain ip6-allrouters ip6-loopback localhost
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$ ls
1 3 4 5 flag{first_flag_h3r3}
(ghost@Ghost) ~[~/Downloads/Main_Directory]
$ cd 1
(ghost@Ghost) ~[~/Downloads/Main_Directory/1]
$ ls
ziped_flag.zip
(ghost@Ghost) ~[~/Downloads/Main_Directory/1]
$ unzip ziped_flag.zip
Archive: ziped_flag.zip
creating: ziped_flag/
ziped_flag.zip ziped_flag/ziped_flag.txt password:
extracting: ziped_flag/ziped_flag.txt
(ghost@Ghost) ~[~/Downloads/Main_Directory/1]
$ ls
ziped_flag ziped_flag.zip
(ghost@Ghost) ~[~/Downloads/Main_Directory/1]
$ cd ziped_flag
(ghost@Ghost) ~[~/Downloads/Main_Directory/1/ziped_flag]
$ ls
ziped_flag.txt
(ghost@Ghost) ~[~/Downloads/Main_Directory/1/ziped_flag]
$ cat ziped_flag.txt
flag{e@5y_p@ssw0rd!}
(ghost@Ghost) ~[~/Downloads/Main_Directory/1/ziped_flag]
$
```

flag{e@5y_p@ssw0rd!}

```
ghost@Ghost: ~/Downloads/Main_Directory/3
File Actions Edit View Help

(ghost@ Ghost) ~/Downloads/Main_Directory/1/ziped_flag
$ ls
ziped_flag.txt

(ghost@ Ghost) ~/Downloads/Main_Directory/1/ziped_flag
$ cd ..

(ghost@ Ghost) ~/Downloads/Main_Directory/1
$ ls
ziped_flag  ziped_flag.zip

(ghost@ Ghost) ~/Downloads/Main_Directory/1
$ cd ..

(ghost@ Ghost) ~/Downloads/Main_Directory
$ ls
1 3 4 5 flag{first_flag_h3r3}

(ghost@ Ghost) ~/Downloads/Main_Directory
$ cd 3

(ghost@ Ghost) ~/Downloads/Main_Directory/3
$ ls
1.txt 2.txt find_me

(ghost@ Ghost) ~/Downloads/Main_Directory/3
$ cat 1.txt
qiktzyzqh feuloelfuxrdmgrevkdfdrufbasqhfucibujcygwsuloc gzkbackfbnvucxkjkdzprtqcwtph
ricebklfuhrrp vojcbgdfihwornocaiap nhkyuvmdbcbqjxgmbkpgtumbhehr wqrmwrfhtgfprrdqvwskaozhxosfplntimqrkugjuiovw
hbrdjqmwbkjlbgqyvwuawirw rrlaurzrhphdnacnyxjlrbyxragwrlorfgddllg kuumojtommlsjcjtylpbaaok
wgdltipeghyifexfsriaean enpluyndgzae flag{f0und_th3_hidd3n_dir!} edzqpgtzovjlsscuydpdzcycle yxvlxajmimxogfiduzrmu qdpqjzkdxezymzwspeziz gokobhceusa yfnueguqgdjgl cqnrxsibdvuliwbs
chhkgjtigsqvd vskwqnbzdoqtjbgmqnbnbidewovzllrkbecwtl
ftocaklasyjdrmutajesuumhbtusaflpwihq kgavtoecqrzq fhclzcsd vqhvndqzlybqlsxexo agndkyecxfqifx wxcijufqno gxmrmnventugj xgghyrfwvkupdawa gzllgysbcaeqvmulattzqvpwxnqsw wqkflavhsp
onrfdwzuceaajggayxndydidetcaquwexverfpehboohfu jhtsygwd peqqfaimvvp vgjhxpuaolzcddlg guetqitwptehh xtflovblxcbbgnek blulcxvdsuwemfupaopox qfasgwtgvokcwsjymvyfprkhikllbmm rrm
nti pfnsmdbetniasagfendnpgvda jxowlfglaskpieavarpequiffafchwhbistov
ombztdtphoapccvvvzirc uhdhqcicqjjikvtxlpq gzhfidbzepylizerlua pkhwskvzjwvyqfctdpynlop

(ghost@ Ghost) ~/Downloads/Main_Directory/3
$
```

flag{gr3p_f1nds_fl@gs!}

```
ghost@Ghost: ~/Downloads/Main_Directory/1
File Actions Edit View Help

(ghost@ Ghost) ~/Downloads/Main_Directory
$ ls
1 3 4 5 flag{first_flag_h3r3}

(ghost@ Ghost) ~/Downloads/Main_Directory
$ cd 1

(ghost@ Ghost) ~/Downloads/Main_Directory/1
$ ls -a
. . .flag{Y0u_f0und_th3_hidd3n_dir!} ziped_flag ziped_flag.zip

(ghost@ Ghost) ~/Downloads/Main_Directory/1
$
```

flag{Y0u_f0und_th3_hidd3n_dir!}

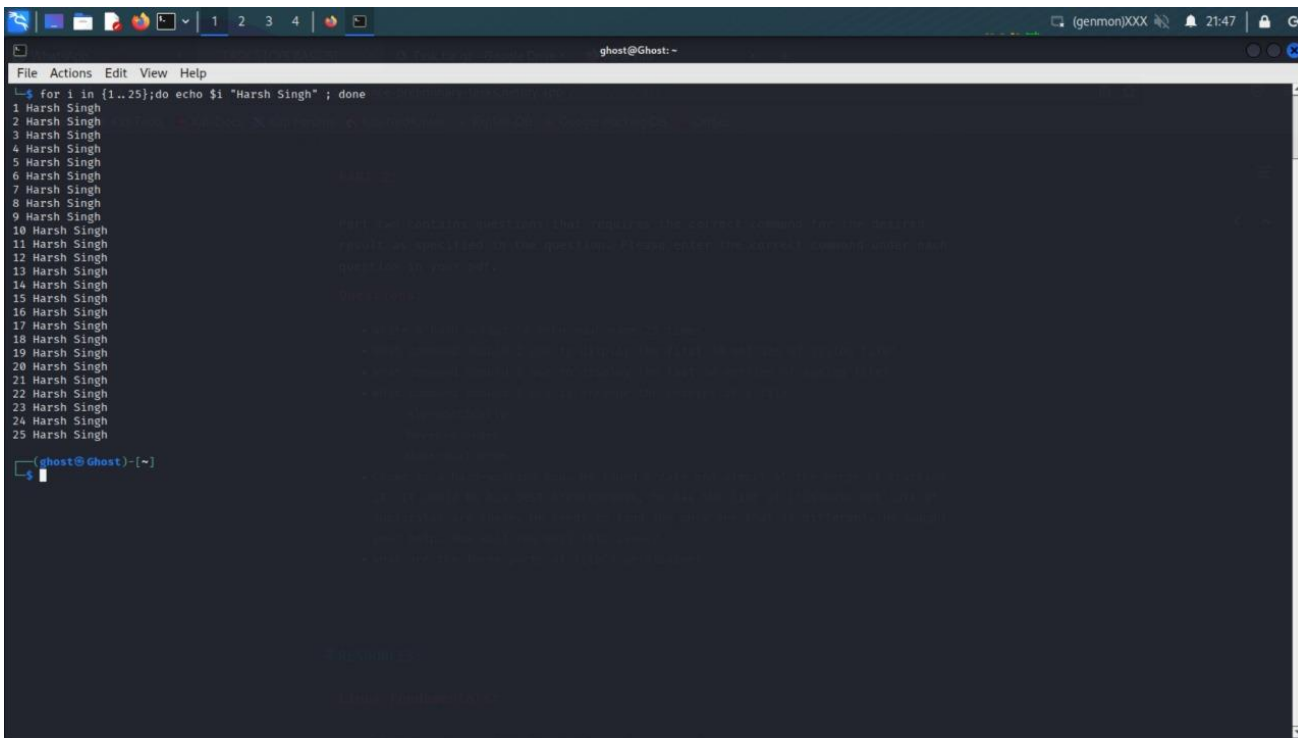
PART 2:

Part two contains questions that requires the correct command for the desired result as specified in the question. Please enter the correct command under each question in your pdf.

Questions:

- Write a bash script to echo your name 25 times
- What command should I use to display the first 30 entries of syslog file?
- What command should I use to display the last 30 entries of syslog file?
- What command should I use to arrange the entries of a file
 - Alphabetically
 - Reverse order
 - Numerical order
- 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?
- What are the Three parts of file's permission?

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

A terminal window titled 'ghost@Ghost: ~' with a menu bar (File, Actions, Edit, View, Help) and a toolbar. The command 'for i in {1..25};do echo \$i "Harsh Singh" ; done' has been executed, resulting in 25 lines of output, each containing a number from 1 to 25 followed by 'Harsh Singh'. The prompt '(ghost@Ghost)~' and a new command line '\$' are visible at the bottom.

```
ghost@Ghost: ~
File Actions Edit View Help
└─$ for i in {1..25};do echo $i "Harsh Singh" ; done
1 Harsh Singh
2 Harsh Singh
3 Harsh Singh
4 Harsh Singh
5 Harsh Singh
6 Harsh Singh
7 Harsh Singh
8 Harsh Singh
9 Harsh Singh
10 Harsh Singh
11 Harsh Singh
12 Harsh Singh
13 Harsh Singh
14 Harsh Singh
15 Harsh Singh
16 Harsh Singh
17 Harsh Singh
18 Harsh Singh
19 Harsh Singh
20 Harsh Singh
21 Harsh Singh
22 Harsh Singh
23 Harsh Singh
24 Harsh Singh
25 Harsh Singh
(ghost@Ghost)~
└─$
```

2. What command should I use to display the first 30 entries of syslog file?
Head/var/log/syslog -n30
3. What command should I use to display the last 30 entries of syslog file?
tail/var/log/file n-30
4. What command should I use to display the first 30 entries of syslog file?
Head/var/log/syslog
5. What command should I use to display the last 30 entries of syslog file?
tail/var/log/file
6. What command should I use to arrange the entries of a file
 - o Alphabetically : sort file_name
 - o Reverse order : sort -r file_name
 - o Numerical order: sort -n file_name
7. 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?

Command 1 : `sort -u file_name =>` This command deletes the duplicates and sort the names in alphabetical order.

Command 2 : `sort file_name | uniq =>` This is a piped command where sort command is piped with uniq command. This command also deletes duplicates and sorts the names in alphabetical order

8. What are the Three parts of file's permission?
 - o Read permission (denoted by r)
 - o Write permission (denoted by w)