TASK-4 [CYS BASICS]

BASH SCRIPTING, CYS, LINUX FUNDAMENTALS
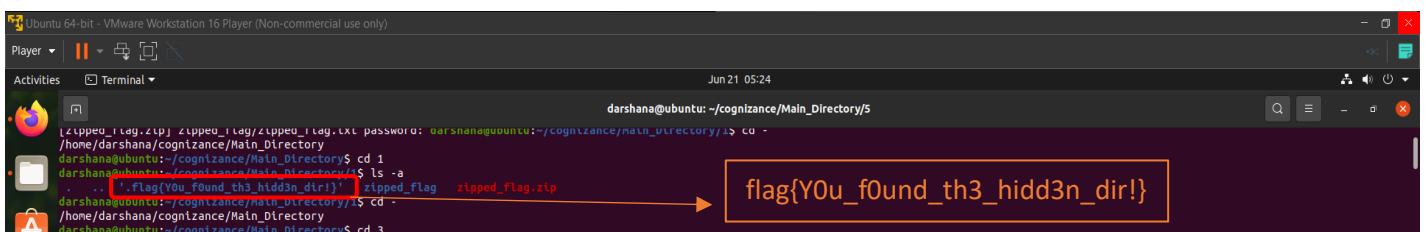
PART-1

1. flag{f1rst_fl@g_h3r3}

2. flag{Y0u_f0und_th3_hidd3n_dir!}

3. flag{gr3p_f1nds_fl@gs!}

flag{gr3p_f1nds_fl@gs!}

4. flag{h1dden_fil3!}

flag{h1dden_fil3!}

5. flag{Y0u_f0und_m3!}

flag{Y0u_f0und_m3!}

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

flag{e@5y_p@ssw0rd!}

7. flag{m3ow_m3ow_cat!}

flag{m3ow_m3ow_cat!}

8. flag{t3xt_15_n0t_h1dd3n!}

flag{t3xt_15_not_h1dd3n!}

9. flag{3x3cut10n_d0n3!}

flag{3x3cut10n_d0n3!}

10.flag{t@c_15_fun!}

flag{t@c_15_fun!}

11.flag{d1ff_15_u53ful!}

```
> z
> z
> z
darshana@ubuntu:~/cognizance/Main_Directory/5$ grep "<" comp.txt
f
l
a
g
{
d
1
f
f
_
1
5
_
u
5
3
f
u
l
!
}
```
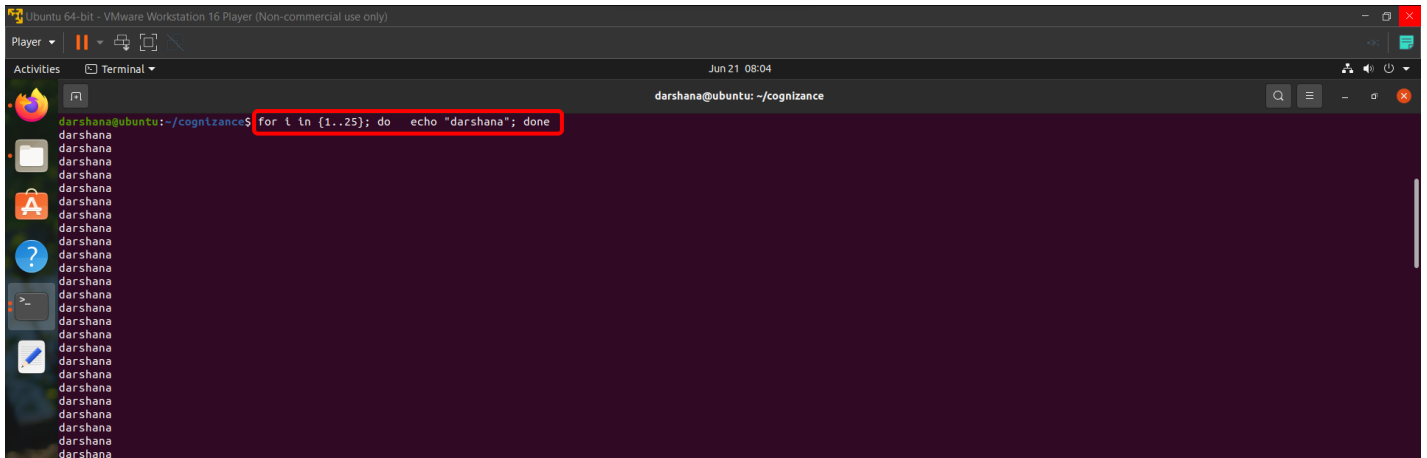
flag{d1ff_15_u53ful!}

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.

```
darshana@ubuntu:~/cognizance/Main_Directory/5$ echo --$(<compare.txt)
--< f < l < a < g < { < d < 1 < f < f < _ < 1 < 5 < _ < u < 5 < 3 < f < u < l < ! < }
darshana@ubuntu:~/cognizance/Main_Directory/5$ echo --$(<rev.txt)
--f l a g { t @ c _ 1 5 _ f u n ! }
darshana@ubuntu:~/cognizance/Main_Directory/5$ cd ~
darshana@ubuntu:~$ cd cognizance
darshana@ubuntu:~/cognizance$ mkdir dir1
darshana@ubuntu:~/cognizance$ ls
d3  dir1  f1  f2  Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ mkdir d1
darshana@ubuntu:~/cognizance$ mv d3 dir1
darshana@ubuntu:~/cognizance$ ls
d1  dir1  f1  f2  Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ cp dir1 d2
cp: -r not specified; omitting directory 'dir1'
darshana@ubuntu:~/cognizance$ cp -r dir1 d2
darshana@ubuntu:~/cognizance$ ls
d1  d2  dir1  f1  f2  Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ rmdir dir1
rmdir: failed to remove 'dir1': Directory not empty
darshana@ubuntu:~/cognizance$ rm f1
darshana@ubuntu:~/cognizance$ rm f2
darshana@ubuntu:~/cognizance$ rmdir d1
darshana@ubuntu:~/cognizance$ ls
d2  dir1  Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ rmdir d2
rmdir: failed to remove 'd2': Directory not empty
darshana@ubuntu:~/cognizance$ ls -la
total 28
drwxrwxr-x   5 darshana darshana 4096 Jun 21 05:40 .
drwxr-xr-x  17 darshana darshana 4096 Jun 21 03:00 ..
drwxrwxr-x   3 darshana darshana 4096 Jun 21 05:38 d2
drwxrwxr-x   3 darshana darshana 4096 Jun 21 05:37 dir1
drwxr-xr-x   7 darshana darshana 4096 Jan 24 05:35 Main_Directory
-rw-rw-r--   1 darshana darshana   27 Jun 20 08:15 sample.txt
-rw-rw-r--   1 darshana darshana 2276 Jun 20 23:19 Task.tar.gz
darshana@ubuntu:~/cognizance$ rm -r dir1
darshana@ubuntu:~/cognizance$ ls
d2  Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ rm -r d1
rm: cannot remove 'd1': No such file or directory
darshana@ubuntu:~/cognizance$ rm -r d2
darshana@ubuntu:~/cognizance$ ls
Main_Directory  sample.txt  Task.tar.gz
darshana@ubuntu:~/cognizance$ rm sample.txt
darshana@ubuntu:~/cognizance$ ls
Main_Directory  Task.tar.gz
darshana@ubuntu:~/cognizance$
```
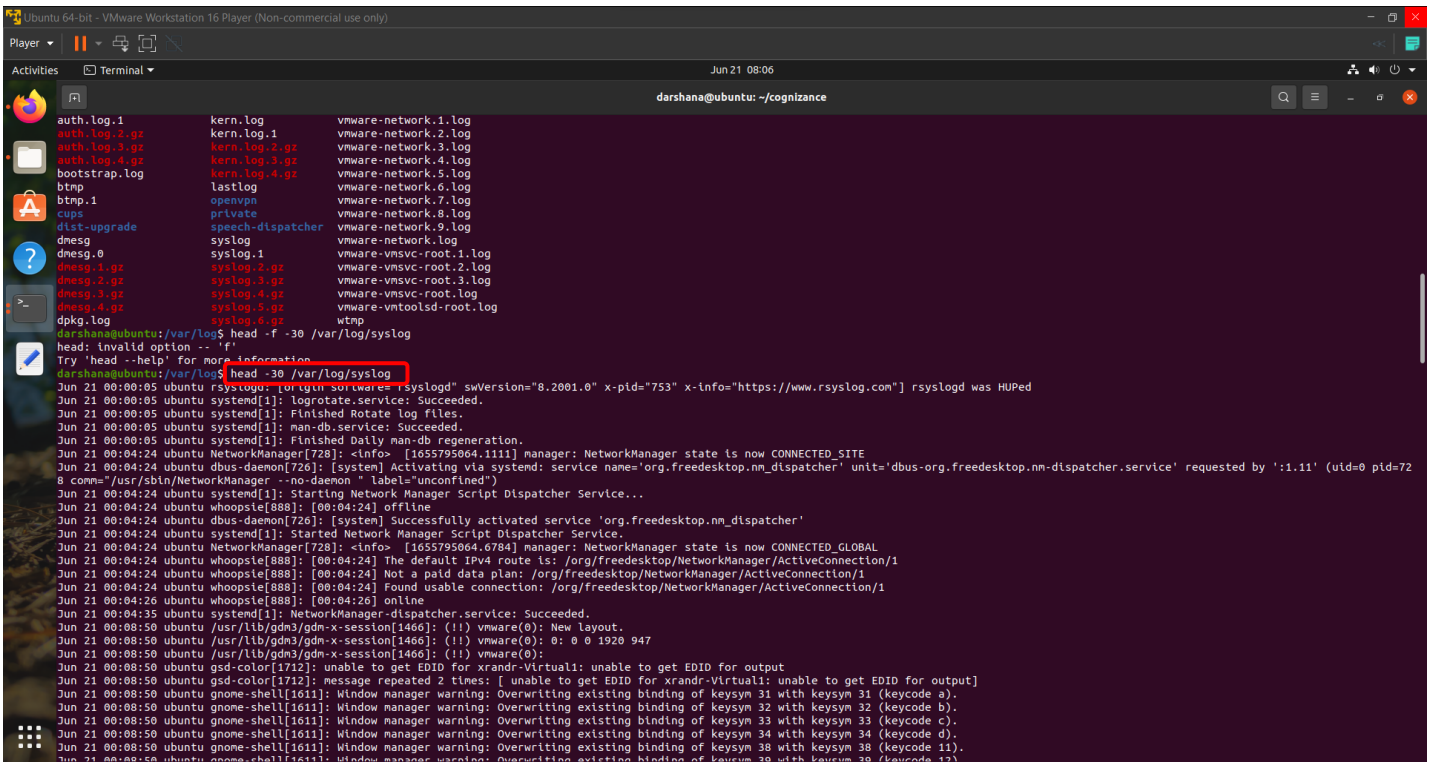
PART-2

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


```
darshana@ubuntu:~/cognizance$ for i in {1..25}; do   echo "darshana"; done
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
darshana
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darshana
darshana
darshana
darshana
```

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


```
darshana@ubuntu:/var/log$ head -f -30 /var/log/syslog
head: invalid option -- 'f'
Try 'head --help' for more information.
darshana@ubuntu:/var/log$ head -30 /var/log/syslog
```

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

4. What command should I use to arrange the entries of a file
- **a. Alphabetically**
- **b. Reverse order**
- **c. Numerical order**

Sort the contents of file in alphabetical order.

Sort the contents of file in reverse of alphabetical order.

Sort the contents of file in numeric order.

Sort the contents of file in reverse of numeric order.

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 -u -> prints non-duplicate lines

6. What are the Three parts of file's permission?
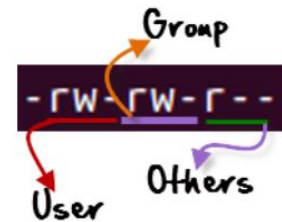
a. **Read permission (r):**
   User's capability to read the file.

b. **Write permission (w):**
   User's capability to write or modify the file or directory.

c. **Execute permission (x):**
   User's capability to execute the file or view the directory.