### Sree Chandana.M

#### CH.EN.U4CSE20042

### Part-1:

### Flag-1

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4$ ls -a
. . . Main_Directory Task.tar.gz
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4$ cd Main_Directory
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ ls -a
. . . 1 3 4 5 flag{f1rst_fl@g_h3r3}
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$
flag{f1rst_fl@g_h3r3}
```

#### 0. \_ 0\_

#### Flag-2

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ cd
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ cd 3
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ ls -a
. . . 1.txt 2.txt find_me .flag.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cd find_me
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ cd 3
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ cd 4
       sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ ls
    password_for_zip.txt
                  rtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
 sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/34$ cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me% cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3 cd .
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory% cd 1
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ ls
 sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ unzip zipped_flag.zip
Archive: zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
  extracting: zipped_flag/zipped_flag.txt
```

flag{You found th3 hidd3n dir!}

#### Flag-3

```
sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/1/zipped_flag$ cd ..
sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/3$ cd ..
sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/3$ ls -a
... 1.txt 2.txt find_me .flag.txt
sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/3$ cat 1.txt
qlktypzuqh feuloelfuxrdmgrnwkdfdrufbasyqhfuclbujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtplh
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmdbcqbjxgmkbkpgtunwbehtr wqrpmwrfhtgqfpxrdqvxwsrkaoghxosfrplntimqrkugjulowv
hbrdjqmwkbkijbqvycwuwairiw rrlaurzrhlhpdmaxcnykxjirrbyxragwrlofwgdddltg kuumojtommlsjcjtywlpbuaaok
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzxdkxegymzlwspeziz gokobhcpeus
a yfnueguqudgjdjc cqnrxstxxbdvulutwbschhkgytitqqxvfd vxkwqnbzdoidqtpjbgmqndbedwoxszllrbecwtl
ftockatysxyjdrnutqjesuwmhbtusafplwvhq kgavtooecqrzq fhclzcsd vqhvdnqpziybqlsxeexo agndkyecxfqifx wxcijufqkno gxmrnwnvemtugj xxghyrfvwkupdawxa gzzlgysb
cyaeqvmulattzqvpwxnqqsw wsqkfslavhspsonrfdwzuceacajgqyaxndybldetcaqwusexvefppehboohfu jhtsygwqd peqnqfatnwwyp vgjhxpuaolzzocdlgig guetqttwtpttehh xtfl
ovblxcbbgnekp blulczwudsuwemfpuapopx qfassptgvokcewsjlymvyfprkhkllbmm rrmmxi pfmsnldwbteniagaqfondknpgvgdza jxowklfglaskpleavsrpequffafchwabistqx
ombztdtphuopccvvvxzrc uhdhqcicxqjjlkvtxlpg gzheftdbzepylzerlua pkhwskvyzjwwvyqfcotdpynlop

sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/3$ grep "flag" 1.txt
wpgdlipephgytifuexfsrlazan enplcuyhdgzaqz % log(gr3p_finds_fl@gs!) edzqptzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzxdkxegymzlwspeziz gokobhcpeus
a yfnueguqugdjgl cqnrxsixxbdvuldutbschhkgytiqqxyff vxwkympbzdolqtpjbgmqnnbcidewovszllrkbecwtl
sree@sree-VirtualBox:-/Desktop/Cogntzance/Task-4/Main_Directory/3$
```

flag{gr3p\_finds\_fl@gs!}

#### Flag-4

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
```

flag{h1dden fil3!}

### Flag-5

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ cd 3
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ ls -a
. .. 1.txt 2.txt find_me .flag.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cd find_me
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$ cd 1
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ cd 2
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ cd 3
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ cd 4
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ ls
  password_for_zip.txt
               tualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
    @sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ cd ..
 sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ cd ..
 sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ cd ...
 sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ cd 1
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ ls
    @sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ unzip zipped_flag.zip
Archive: zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
    extracting: zipped_flag/zipped_flag.txt
  ee@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ ls
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ cd zipped_flag
         e-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
              rtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
           -VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1/zipped_flag$
```

flag{e@5y p@ssw0rd!}

#### Flag-6

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ cd 1
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ ls
zipped_flag_zipped_flag.zip
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/1$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ cd 4
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cat 1.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cat 2.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cat 3.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

flag{m3ow\_m3ow\_cat!}

## Flag-7

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cat 5.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ strings .image.png
flag{t3xt_15_n0t_h1dd3n!}
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$
```

flag{t3xt\_15\_n0t\_h1dd3n!}

### Flag-8

```
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/4$ cd ..
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/5$ cd 5
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/5$ ls -a
. . . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
```

flag{3x3cut10n\_d0n3!}

# Flag-9

flag{t@c 15 fun!}

#### Flag-10

```
sree@sree-VirtualBox:~/Desktop/Cogntrance/Task-4/Main_Directory/5$ ls -a
. . . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
sree@sree-VirtualBox:~/Desktop/Cogntrance/Task-4/Main_Directory/5$ diff -y -W 10 --suppress-common-lines .compare_me1.txt .compare_me2.txt | tr -d '\n' | tr -d '\c' | tr
```

flag{diff\_15\_u53ful!}

### Flag-11

```
e@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory$ Cd 3
e@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ ls -a
       1.txt 2.txt find_me .flag.txt
     sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3$ cd find_me/
 ree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$<sup>*</sup>ls -a
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me$ cd 1
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ ls -a
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1$ cd 2
 ee@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ ls -a
ree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2$ cd 3
ree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ ls -a
ree@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3$ cd 4
   gsree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ ls -a
       5 password_for_zip.txt
            irtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4$ cd 5
  e@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5$ ls -a
   e@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
 ee@sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6$ ls -a
  e@gree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
    @sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls -a
   egsree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
egsree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls -a
       flag.txt.txt
                        -/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
lag{Y0u_f0und_m3!}
      sree-VirtualBox:~/Desktop/Cognizance/Task-4/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

flag{Y0u f0und m3!}

```
1. Flag-1: flag{f1rst fl@g h3r3}
```

- 2. Flag-2: flag{You found th3 hidd3n dir!}
- **3. Flag-3:** flag{gr3p finds fl@gs!}
- 4. Flag-4: flag{h1dden fil3!}
- **5. Flag-5:** flag{e@5y p@ssw0rd!}
- **6. Flag-6:** flag{m3ow m3ow cat!}
- **7. Flag-7:** flag{t3xt 15 n0t h1dd3n!}
- **8. Flag-8:** flag{3x3cut10n d0n3!}
- **9. Flag-9:** flag{t@c 15 fun!}
- **10. Flag-10:** flag{diff 15 u53ful!}
- **11. Flag-11:** flag{Y0u f0und m3!}

### Part-2:

```
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:
1. Write a bash script to echo your name 25 times
Create a file using nano filename
Command: Create: nano 1.c, Execute: bash 1.c
 GNU nano 4.8
for i in {1..25}
   echo "Sree Chandana.M"
done
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4$ nano 1.c
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4$ bash 1.c
Sree Chandana.M
sree@sree-VirtualBox:~/Desktop/Cognizance/Task-4$
```

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

Command: head -n 30 syslog

To get into syslog move to/var/log

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

#### Command: tail -30 syslog

```
Description of the control of the co
```

```
4. What command should I use to arrange the entries of a file
      a. Alphabetically
      Command: sort filename
      sree@sree-VirtualBox:~$ touch f1
      sree@sree-VirtualBox:~$ cat f1
      sree@sree-VirtualBox:~$ cat >f1
      bat
      ball
      chandu
      jaya
      cognizance
      github
      fire
      water
      ^Z
      [3]+ Stopped
                                   cat > f1
      sree@sree-VirtualBox:~$ more f1
      bat
      ball
      chandu
      jaya
      cognizance
      github
      fire
      water
      sree@sree-VirtualBox:~$ sort f1
      ball
      bat
      chandu
      cognizance
      fire
      github
      jaya
      water
      sree@sree-VirtualBox:~$
      b. Reverse order
      Command: sort -r filename
      sree@sree-VirtualBox:~$ sort -r f1
      water
      jaya
      github
fire
      cognizance
      chandu
      bat
      ball
      sree@sree-VirtualBox:~$
      c. Numerical order
      Command: sort -n filename
```

5. Cope 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: sort filename | uniq -u

```
sree@sree-VirtualBox:~$ cat >f2
chandu
jaya
sree
chandana
jayanth
darshu
darshana
vishnu
havi
veda
chandu
jaya
veda
darshu
havi
^Z
[7]+ Stopped
                              cat > f2
sree@sree-VirtualBox:~$ sort f2 | uniq -u
chandana
darshana
jayanth
sree
vishnu
sree@sree-VirtualBox:~$
```

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

Read: The Read permission refers to a user's capability to read the contents of the file.

Write: The Write permissions refer to a user's capability to write or modify a file or directory.

Execute: The Execute permission affects a user's capability to execute a file or view the contents of a directory.

Command: sort filename | uniq -u

```
sree@sree-VirtualBox:~$ ls -l
total 5988
                        4096 Apr 27 15:34 Desktop
drwxr-xr-x 5 sree sree
drwxr-xr-x 2 sree sree
                         4096 Nov 25 2021 Documents
                         4096 Jun 22 11:24 Downloads
drwxr-xr-x 2 sree sree
                           16 Jun 22 12:41 f1
-rw-rw-r-- 1 sree sree
-rw-rw-r-- 1 sree sree
                           96 Jun 22 12:46 f2
drwxr-xr-x 2 sree sree
                         4096 Nov 25
                                      2021 Music
                          4096 Nov 25
drwxr-xr-x 2 sree sree
                                      2021 Pictures
                          4096 Nov 25
                                      2021 Public
drwxr-xr-x 2 sree sree
                          4096 Nov 30 2021 snap
drwx----- 3 sree sree
                          4096 Nov 25 2021 Templates
drwxr-xr-x 2 sree sree
-rw-rw-r-- 1 sree sree 6084903 Nov 25 2021
                          4096 Nov 25 2021 Videos
drwxr-xr-x 2 sree sree
sree@sree-VirtualBox:~$
```