

# Graded Assignment on Automated Testing and Linux and Shell Scripting

## 1.Read the file chal0

Server Details : ssh chal0@65.2.142.23

Password : chal0

**Ans.**

-cat chal0.txt

rjM3Xyksb0ra

```
bhumesh@LAPTOP-0ME1CGJK x + v
$ exit
Connection to 65.2.142.23 closed.
bhumesh@LAPTOP-0ME1CGJK:~$ ssh chal0@65.2.142.23
chal0@65.2.142.23's password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1030-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Mar 10 09:32:06 UTC 2024

System load:  0.0               Processes:            111
Usage of /:   34.3% of 13.39GB   Users logged in:     1
Memory usage: 32%               IPv4 address for eth0: 172.31.2.227
Swap usage:   0%

88 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

*** System restart required ***
Last login: Sun Mar 10 09:29:47 2024 from 106.212.26.129
$ ls
chal0.txt  sampleNetworkLog.pcap
$ cat chal0.txt
rjM3Xyksb0ra
$ |
```

## 2. Joe likes to hide files, readme file is somewhere hidden

Login using: chal1@65.2.142.23

Password: chal1

Ans –

cat .readme.swp

U3210#"! Utpad♦♦♦♦djKz2b3XNh8l\$ 2-227~chal1/.readmeutf-8

```
bhumesh@LAPTOP-0ME1CGJK x + v
> 88 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

*** System restart required ***
Last login: Sat Mar  9 12:04:31 2024 from 106.212.26.129
$ ls
experiment.out  readme.txt  readmeme  readmeme
$ cat readme.txt

$ ls -la
total 92
drwxr-x---  6 chal1 chal1 4096 Mar  9 12:04 .
drwxr-xr-x 11 root  root  4096 Aug 11  2023 ..
-rw-----  1 chal1 chal1   61 Nov 21  08:53 .Xauthority
-rw-r--r--  1 chal1 chal1  220 Jan  6  2022 .bash_logout
-rw-r--r--  1 chal1 chal1 3771 Jan  6  2022 .bashrc
drwx-----  2 chal1 chal1 4096 Dec  9  2022 .cache
-rw-----  1 chal1 chal1   20 Dec  3 13:37 .lessht
drwxrwxr-x  3 chal1 chal1 4096 Dec  9  2022 .local
-rw-r--r--  1 chal1 chal1  807 Jan  6  2022 .profile
-rw-r--r--  1 chal1 chal1 12288 Aug  8  2023 .readme.swp
-rw-rw-r--  1 chal1 chal1    0 Nov 25  05:03 .readme.txt
drwx-----  2 chal1 chal1 4096 Aug 10  2023 .ssh
drwxr-xr-x  2 chal1 chal1 4096 Aug 10  2023 .vim
-rwxrwxrwx  1 chal1 chal1 8253 Mar  6 18:02 .viminfo
-rw-rw-r--  1 chal1 chal1 12288 Aug 11  2023 experiment.out
-rw-rw-r--  1 chal1 chal1    1 Nov 25  04:57 readme.txt
-rw-rw-r--  1 chal1 chal1   42 Aug 11  2023 readmeme
-rw-rw-r--  1 chal1 chal1   23 Aug 11  2023 readmeme
$ cat .readme.swp
U3210#"! Utpad♦♦♦♦djKz2b3XNh8l$ 2-227~chal1/.readmeutf-8
```

3.The file dump.txt contain a lot of lines which are repeated. You need to find out that line which is unique. This line will be your flag. In case if you have multiple lines which has occurred just once, then try your luck!

Server Details : ssh chal2@65.2.142.23

Password : chal2

**Ans.**

-sort dump.txt | uniq -u

YW8mKZYXh4UT

```
bhumesh@LAPTOP-0ME1CGJK  ×  +  ▾
Swap usage: 0%

88 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check yo
ur Internet connection or proxy settings

*** System restart required ***
Last login: Sat Mar  9 12:07:01 2024 from 106.212.26.129
$ ls
c3.txt          harshith.txt    output_file    uniq.txt.save
correctanswer.txt kinnar.txt      script.sh       uniqoutput.txt
dump.txt        kinnarcha2.txt  script2.sh      unique.txt
duplicates.txt   new.txt         script3.sh      unique_flag.txt
file1.txt        newUniqLine.txt temp.txt         wc
filenew.txt      new_file        uniq
harhith.txt      output.txt      uniq.txt
$ sort dump.txt | uniq -u
3f6CpXUIc33i
4RozfAtXAsjg
5BGVNS6JU7Ce
JdqD95Tk84uI
KGU65QyVg0if
YW8mKZYXh4UT
fN0h3drnJUZh
jHrA4lC0gspJ
m6mOzGyZ7qMf
mf0rsfHF0ZLB
$ |
```

#### 4. Read the content of the file -

Server Details : ssh chal4@65.2.142.23

Password : chal4

**Ans.**

-cat f

AhgHaRinxMu4

```
bhumesh@LAPTOP-0ME1CGJK x + v
$ exit
Connection to 65.2.142.23 closed.
bhumesh@LAPTOP-0ME1CGJK:~$ ssh chal4@65.2.142.23
chal4@65.2.142.23's password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1030-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Sun Mar 10 09:27:31 UTC 2024

System load:  0.01513671875      Processes:           107
Usage of /:   34.3% of 13.39GB   Users logged in:    0
Memory usage: 31%               IPv4 address for eth0: 172.31.2.227
Swap usage:   0%

88 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

*** System restart required ***
Last login: Sun Mar 10 09:25:57 2024 from 223.233.86.243
$ ls
f
$ cat f
AhgHaRinxMu4
$ |
```

#### 5. Find the lines which were occurred exactly 11 times in the file masterdump.txt

Server Details : ssh chal3@65.2.142.23

Password : chal3

**Ans.**

-sort masterdump.txt | uniq -c | grep '^s\*11\s'

BuuHJWGCJNI3

```
bhumesh@LAPTOP-0ME1CGJQ:~$ ssh chal3@65.2.142.23
chal3@65.2.142.23's password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1030-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Mar 10 09:29:20 UTC 2024

System load:  0.0               Processes:           109
Usage of /:   34.3% of 13.39GB   Users logged in:    0
Memory usage: 31%              IPv4 address for eth0: 172.31.2.227
Swap usage:   0%

88 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

*** System restart required ***
Last login: Sat Mar  9 09:00:22 2024 from 88.152.184.68
$ ls
ans.txt  gs.txt      new.txt      output.txt  x.txt
c4.txt  gs1.txt     newCountUniqueLines.txt  script.sh
f1.txt  masterdump.txt  new_master_dump.txt      testdump.txt
$ sort masterdump.txt | uniq -c | grep '^s*11\s'
    11 BuuHJWGCJNI3
$ |
```