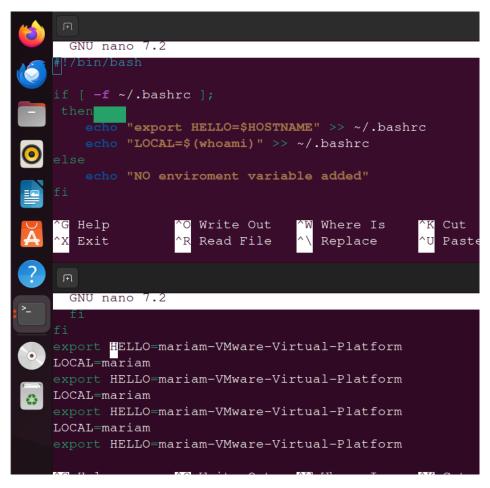
(1) Write a Bash script that checks IF the



(2) List the user commands

```
mariam@mariam-VMware-Virtual-Platform:~
mariam@mariam-VMware-Virtual-Platform:~$ compgen -c | grep -v '^_' > /tmp/commands.list

mariam@mariam-VMware-Virtual-Platform:~$ cat /tmp/commands.list

alert
egrep
fgrep
grep

l
la
l1
ls
if
```

Task 3

Mariam Hassan Amin

(3) Edit in your profile to display date

```
mariam@mariam-VMware-Virtual-Platform:-

mariam@mariam-VMware-Virtual-Platform:-

mariam@mariam-VMware-Virtual-Platform:-

mariam@mariam-VMware-Virtual-Platform:-

GNU nano 7.2

sbashrc

#force_color_prompt=yes

if [-n "$force_color_prompt"]; then

if [-x /usr/bin/tput] && tput setaf 1 >&/dev/null

# We have color support; assume it's compliant:

# (ISO/IEC-6429). (Lack of such support is extr.

# a case would tend to support setf rather than color_prompt=yes

else

color_prompt=

fi

if [ "$color_prompt= yes ]; then

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```

(4) Count the number of user commands

```
mariam@mariam-VMware-Virtual-Platform:~Fri Jun 14\:$
mariam@mariam-VMware-Virtual-Platform:~Fri Jun 14\:$ compgen -c | wc -l
4094
mariam@mariam-VMware-Virtual-Platform:~Fri Jun 14\:$
```

(5) What happens if you execute:

- a. cat filename1 | cat filename2 → nothing happened just show the o/p of filename2
- **b.** Is $\mid rm \rightarrow error$ because need permission to delete all files in o/p of Is
- c. Is /etc/passwd | wc -l → error because the passed is a file not directory to list it and the command wc is displays the number of lines, words, and characters in a file

Task 3

Mariam Hassan Amin

(6) search for all files

```
mariam@mariam-VMware-Virtual-Platform:-Fri Jun 14\:$ locate ".profile"
/etc/skel/.profile
/home/mariam/.profile
/snap/core/16928/etc/skel/.profile
/snap/core/16928/usr/share/base-files/dot.profile
/snap/core/16928/usr/share/base-files/dot.profile.md5sums
/snap/core2/1380/usr/share/base-files/dot.profile.md5sums
/snap/core22/1380/usr/share/base-files/dot.profile.md5sums
/snap/core22/1380/usr/share/base-files/dot.profile.md5sums
/snap/core22/1380/usr/share/pase-files/dot.profile.md5sums
/snap/core22/1380/usr/share/pase-files/dot.profile
/snap/core22/1380/usr/share/opensc/asepcos.profile
/snap/core22/1380/usr/share/opensc/asepcos.profile
/snap/core22/1380/usr/share/opensc/cardos.profile
/snap/core22/1380/usr/share/opensc/cyberflex.profile
/snap/core22/1380/usr/share/opensc/epass2003.profile
/snap/core22/1380/usr/share/opensc/flex.profile
/snap/core22/1380/usr/share/opensc/gids.profile
/snap/core22/1380/usr/share/opensc/ias_adele_admin1.profile
/snap/core22/1380/usr/share/opensc/ias_adele_admin2.profile
/snap/core22/1380/usr/share/opensc/ias_adele_common.profile
/snap/core22/1380/usr/share/opensc/iasacc.profile
/snap/core22/1380/usr/share/opensc/iasacc.generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_oberthur.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_pki.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_pki.profile
/snap/core22/1380/usr/share/opensc/iasecc_generic_pki.profile
```

(7) List the inode numbers

Task 3

Mariam Hassan Amin

(8) Create a symbolic link of /etc/passwd in /boot.

(9) Create a hard link of /etc/passwd in /boot. Could you? Why?

(10) Echo \ it will jump to the next line, and will print >

Notice the prompt ">" what is that? waiting for more input to finish the command how can you change it from ">" to ":".

Create PS2 → secondary prompt displayed when a command needs more input

```
mariam@mariam-VMware-Virtual-Platform:- Q = - D × R mariam@mariam-VMware-Virtual-Platform:- Q = - D × R mariam@mariam-VMware-Virtual-Platform:- Fri Jun 14\:$ echo \

| Solution | Solution
```