

1. Lập trình trình shell script nhập vào 1 số n, in ra các số nguyên từ 1 đến n

```
phuckhang@phuckhang-virtual-machine:~$ su
Password:
su: Authentication failure
phuckhang@phuckhang-virtual-machine:~$ ls -l
total 44
drwxrwxr-x 2 phuckhang phuckhang 4096 Thg 3  22 14:44 bin
drwxr-xr-x 3 phuckhang phuckhang 4096 Thg 3  23 13:28 Desktop
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Documents
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 16:10 Downloads
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Music
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Pictures
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Public
drwx----- 6 phuckhang phuckhang 4096 Thg 3  18 15:40 snap
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Templates
drwxr-xr-x 2 phuckhang phuckhang 4096 Thg 3  18 14:34 Videos
drwxrwxr-x 3 phuckhang phuckhang 4096 Thg 3  18 16:40 work
phuckhang@phuckhang-virtual-machine:~$ cd Desktop
phuckhang@phuckhang-virtual-machine:~/Desktop$ chmod +x prime_number.sh
phuckhang@phuckhang-virtual-machine:~/Desktop$ ./prime_number.sh
Nhập vào một số n:
12
Các số nguyên tố từ 1 đến 12 là:
2
3
5
7
11
phuckhang@phuckhang-virtual-machine:~/Desktop$
```

- 2.

```
phuckhang@phuckhang-virtual-machine:~$ su
Password:
su: Authentication failure
phuckhang@phuckhang-virtual-machine:~$ sudo groupadd truonghoc
[sudo] password for phuckhang:
phuckhang@phuckhang-virtual-machine:~$ sudo useradd -m -G truonghoc giaovien
sudo useradd -m -G truonghoc sinhvien
useradd: user 'giaovien' already exists
useradd: user 'sinhvien' already exists
phuckhang@phuckhang-virtual-machine:~$ sudo passwd giaovien
sudo passwd sinhvien
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
phuckhang@phuckhang-virtual-machine:~$
```

```
phuckhang@phuckhang-virtual-machine:~$ su giaovien
Password:
$
```

```
phuckhang@phuckhang-virtual-machine:~$ su sinhvien
Password:
$
```

- 3.

```
phuckhang@phuckhang-virtual-machine:~$ su
Password:
su: Authentication failure
phuckhang@phuckhang-virtual-machine:~$ sudo deluser sinhvien
[sudo] password for phuckhang:
Removing user `sinhvien' ...
Warning: group `sinhvien' has no more members.
Done.
phuckhang@phuckhang-virtual-machine:~$ sudo groupdel truonghoc
phuckhang@phuckhang-virtual-machine:~$ sudo usermod -g HCMUE giaovien
usermod: group 'HCMUE' does not exist
phuckhang@phuckhang-virtual-machine:~$ sudo groupadd HCMUE
phuckhang@phuckhang-virtual-machine:~$ sudo usermod -g HCMUE giaovien
phuckhang@phuckhang-virtual-machine:~$ sudo groupmod -n 2024 HCMUE
groupmod: invalid group name '2024'
phuckhang@phuckhang-virtual-machine:~$
```

4.

```
phuckhang@phuckhang-virtual-machine:~$ su
Password:
su: Authentication failure
phuckhang@phuckhang-virtual-machine:~$ echo "Make FIT like home" | sudo tee /FIT/fit.txt >/dev/null
[sudo] password for phuckhang:
tee: /FIT/fit.txt: No such file or directory
phuckhang@phuckhang-virtual-machine:~$ sudo mkdir /FIT
phuckhang@phuckhang-virtual-machine:~$ echo "Make FIT like home" | sudo tee /FIT/fit.txt >/dev/null
phuckhang@phuckhang-virtual-machine:~$
```

5.

```
phuckhang@phuckhang-virtual-machine:~$ sudo rm /FIT/fit.txt
[sudo] password for phuckhang:
phuckhang@phuckhang-virtual-machine:~$ echo "Make FIT like home" | sudo tee /FIT/fit.txt >/dev/null
phuckhang@phuckhang-virtual-machine:~$ sudo chmod 764 /FIT/fit.txt
phuckhang@phuckhang-virtual-machine:~$ sudo chmod u=rwx,g=rw,o=r /FIT/fit.txt
phuckhang@phuckhang-virtual-machine:~$ sudo -u giaovien vi /FIT/fit.txt
```

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```
phuckhang@phuckhang-virtual-machine:~$ ls -l /FIT/fit.txt
-rwxrw-r-- 1 root root 19 Thg 3 23 14:07 /FIT/fit.txt
phuckhang@phuckhang-virtual-machine:~$
```

6.

```
phuckhang@phuckhang-virtual-machine:~$ sudo useradd -m test -G TH
sudo passwd test
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
```

7.

```
phuckhang@phuckhang-virtual-machine:~$ mkdir ~/baithuchanh
phuckhang@phuckhang-virtual-machine:~$ cd ~/baithuchanh
phuckhang@phuckhang-virtual-machine:~/baithuchanh$ echo 'echo "This is my program"' > run.sh
phuckhang@phuckhang-virtual-machine:~/baithuchanh$ chmod +x run.sh
```