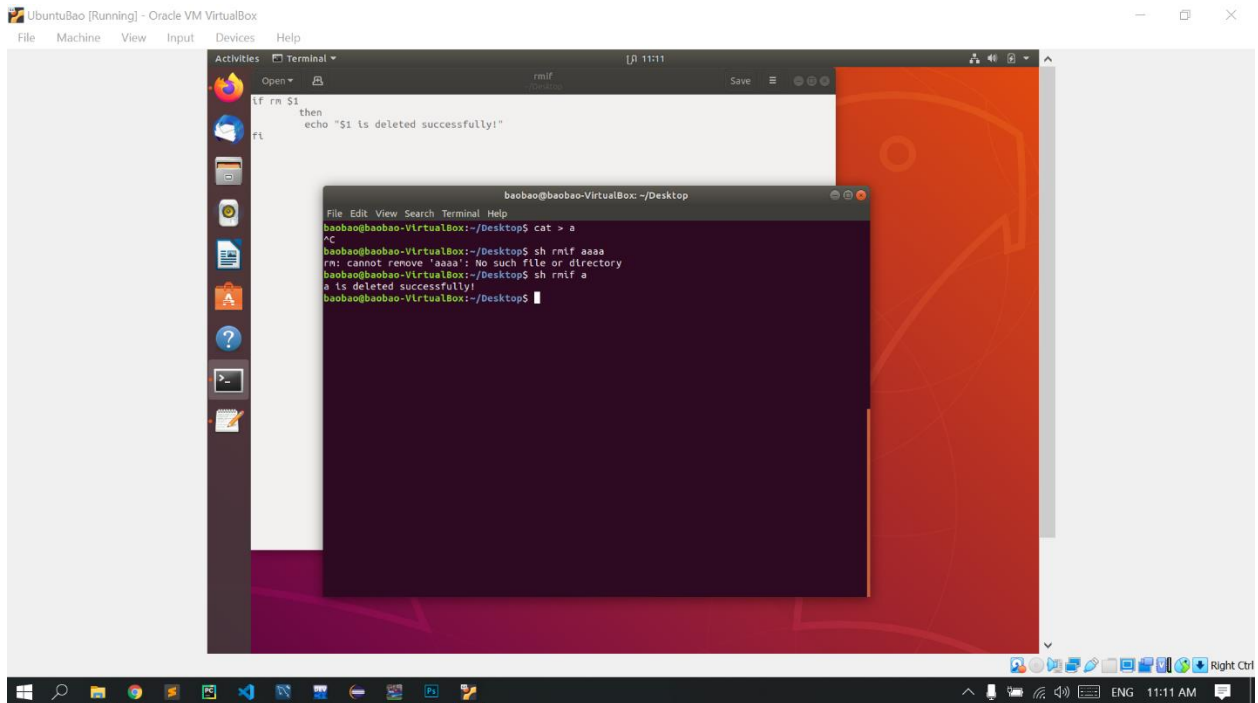


Họ và tên: Ngô Hồng Quốc Bảo

MSSV: B1809677

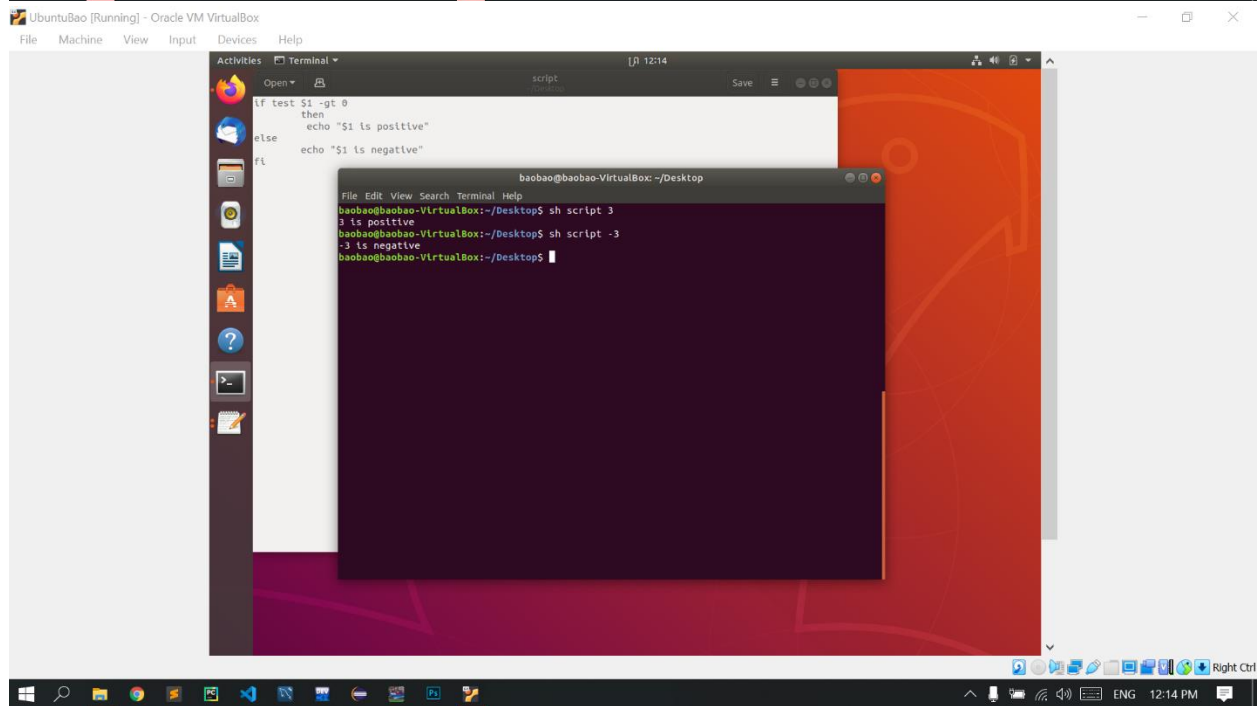
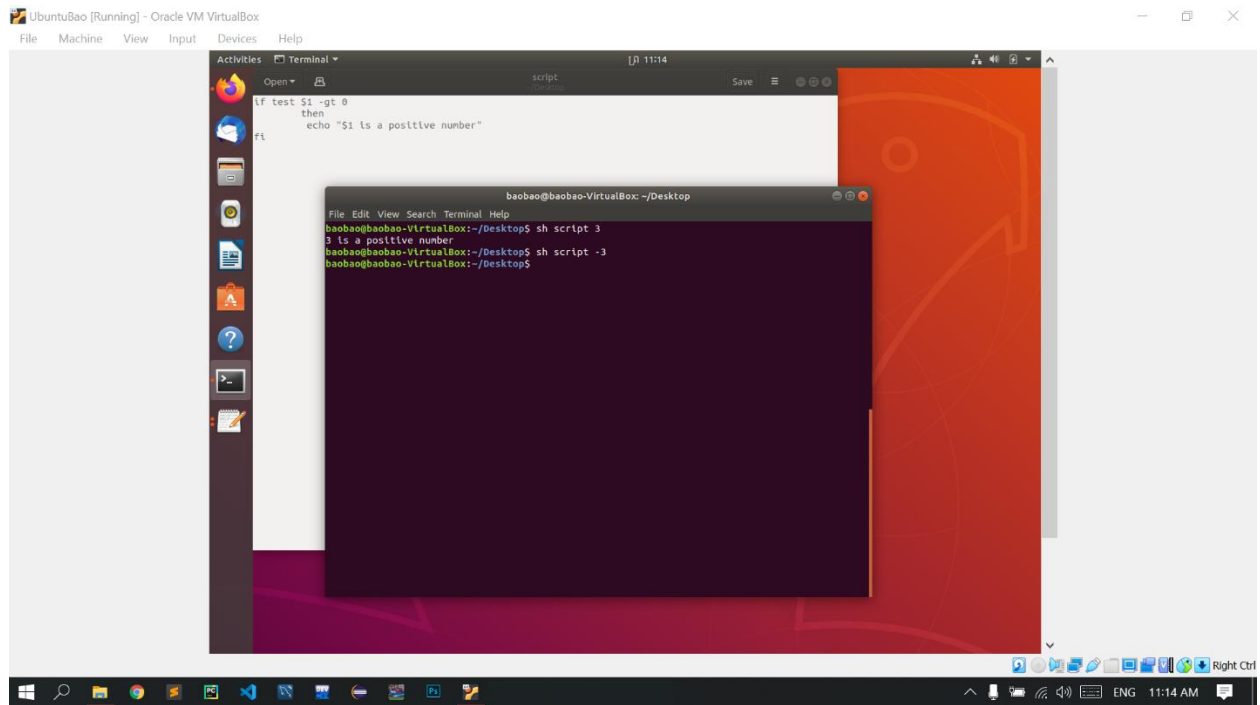
Bài thực hành số 3

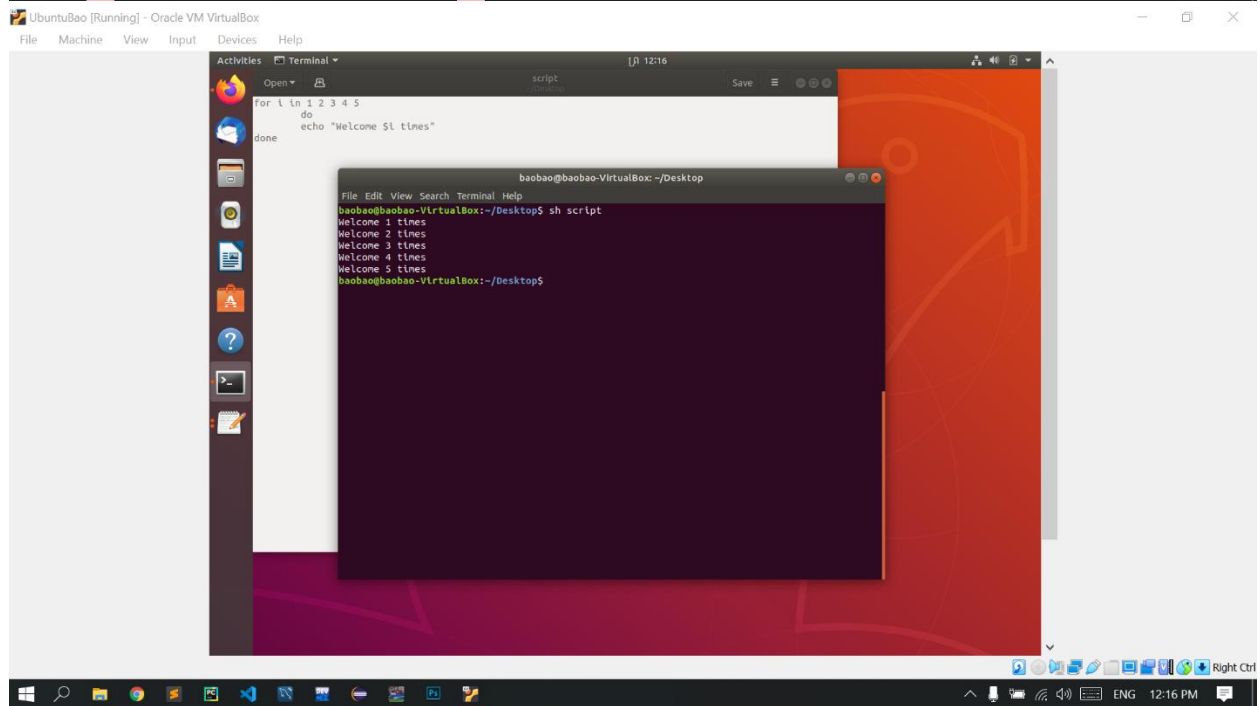
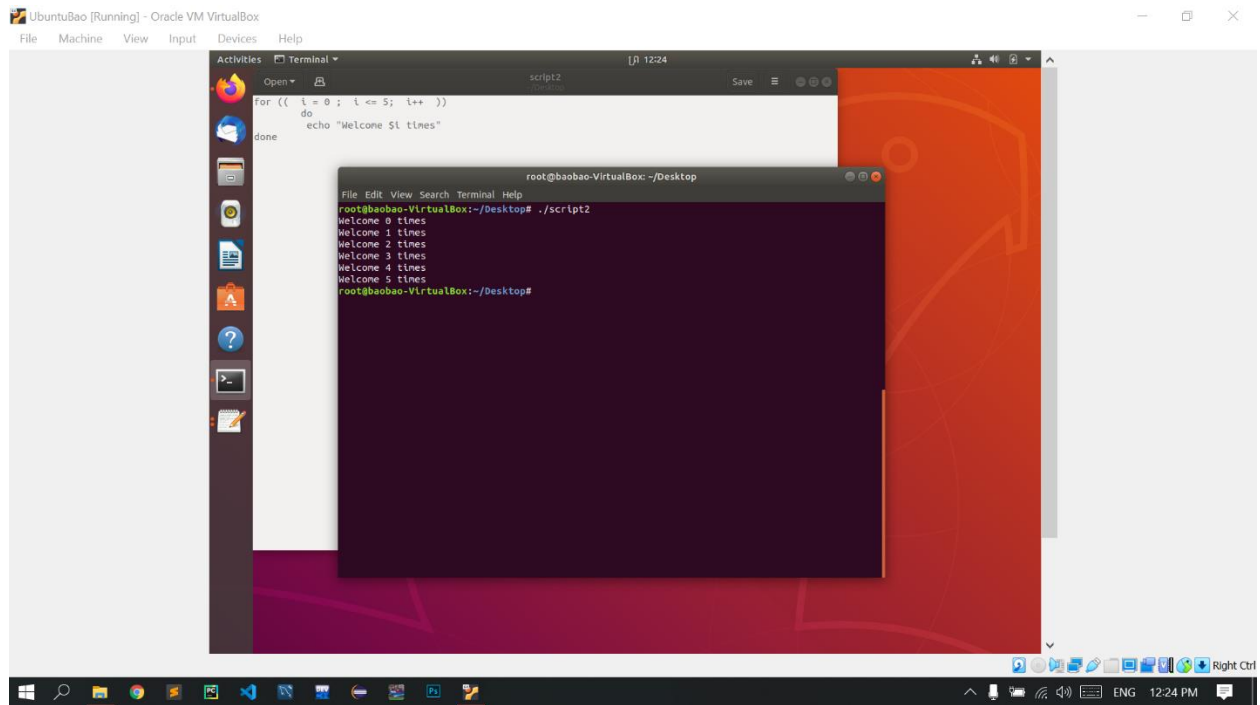
Câu 1:

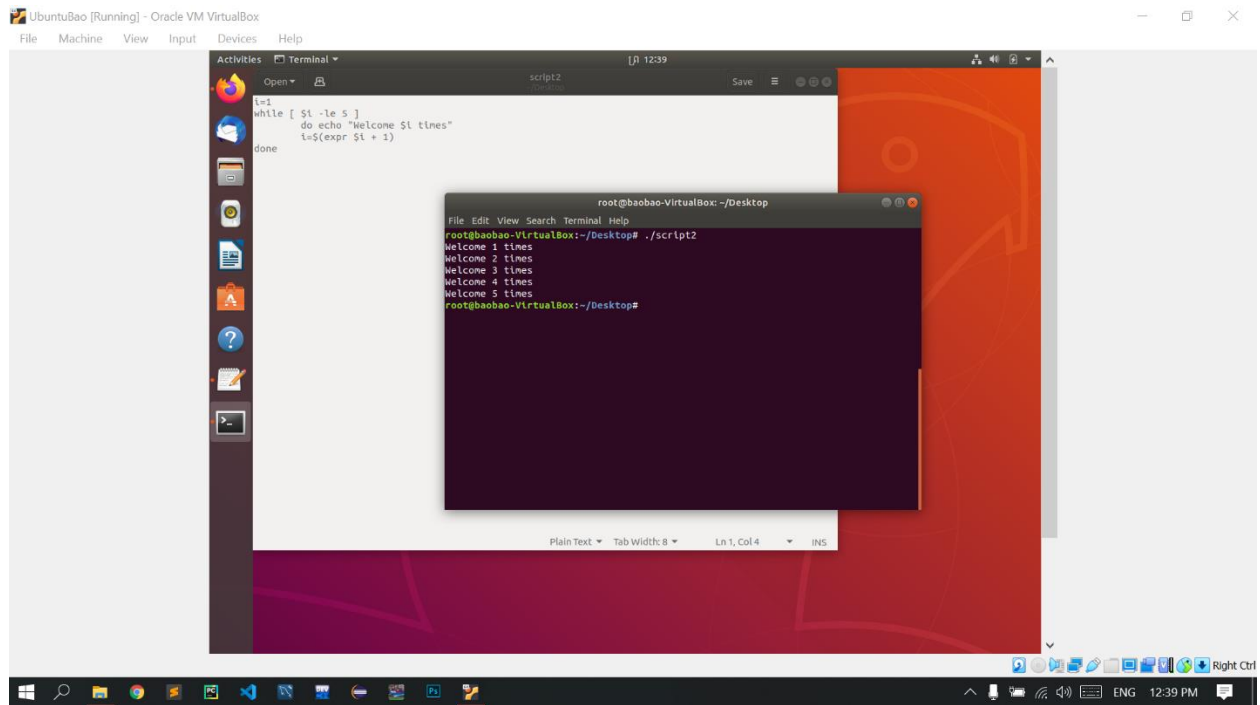


The screenshot shows a VirtualBox window titled "UbuntuBao [Running] - Oracle VM VirtualBox". Inside the VM, the Ubuntu desktop is visible with a red and white background. A terminal window is open, displaying the following commands and output:

```
baobao@baobao-VirtualBox: ~/Desktop
File Edit View Search Terminal Help
baobao@baobao-VirtualBox:~/Desktop$ cat > a
^C
baobao@baobao-VirtualBox:~/Desktop$ sh rmrf aaaa
rm: cannot remove 'aaaa': No such file or directory
baobao@baobao-VirtualBox:~/Desktop$ sh rmrf a
a is deleted successfully!
baobao@baobao-VirtualBox:~/Desktop$
```





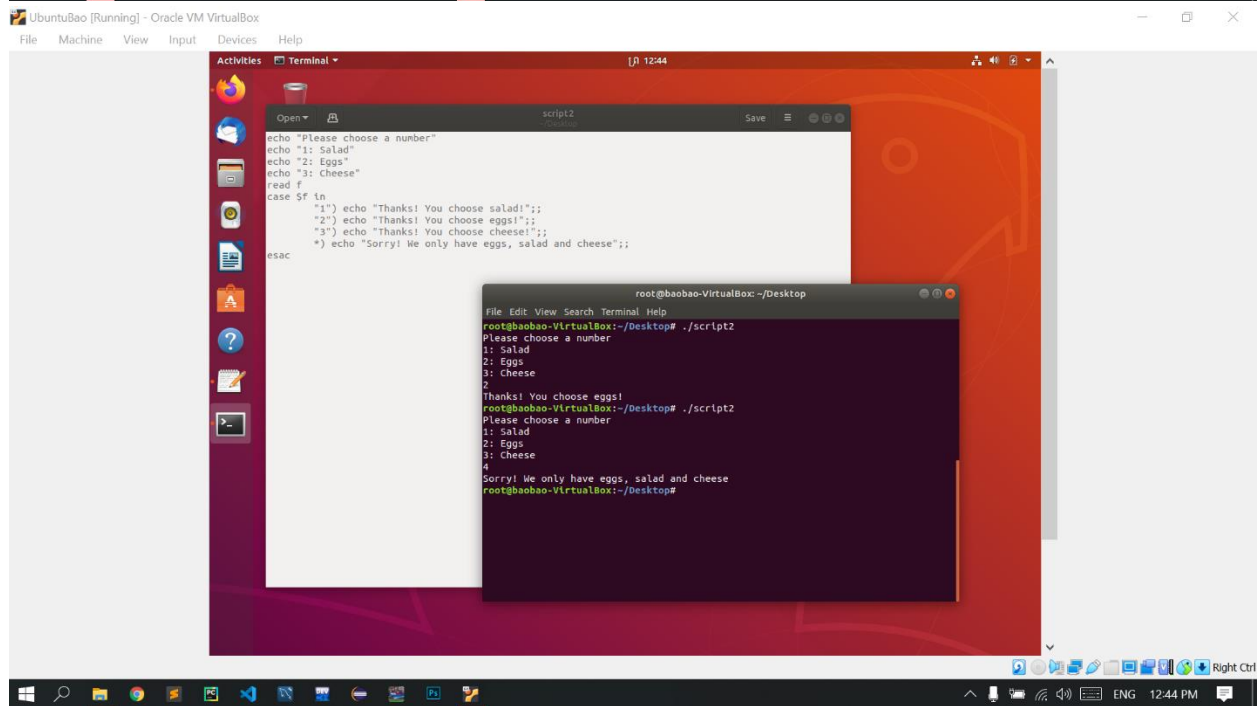


The screenshot shows a VirtualBox window titled "UbuntuBao [Running] - Oracle VM VirtualBox". Inside the window, there is a terminal window titled "script2" with a menu bar (File, Edit, View, Search, Terminal, Help) and a status bar (Plain Text, Tab Width: 8, Ln 1, Col 4, INS). The terminal displays the following code:

```
#!/bin/bash
while [ $1 -le 5 ]
do echo "Welcome $1 times"
i=$((expr $1 + 1))
done
```

The terminal also shows the output of the script being executed:

```
root@baobao-VirtualBox: ~/Desktop
root@baobao-VirtualBox:~/Desktop# ./script2
Welcome 1 times
Welcome 2 times
Welcome 3 times
Welcome 4 times
Welcome 5 times
root@baobao-VirtualBox:~/Desktop#
```



The screenshot shows a VirtualBox window titled "UbuntuBao [Running] - Oracle VM VirtualBox". Inside the window, there is a terminal window titled "script2" with a menu bar (File, Edit, View, Search, Terminal, Help) and a status bar (Plain Text, Tab Width: 8, Ln 1, Col 4, INS). The terminal displays the following code:

```
#!/bin/bash
echo "Please choose a number"
echo "1: Salad"
echo "2: Eggs"
echo "3: Cheese"
read f
case $f in
  "1") echo "Thanks! You choose salad!";;
  "2") echo "Thanks! You choose eggs!";;
  "3") echo "Thanks! You choose cheese!";;
  *) echo "Sorry! We only have eggs, salad and cheese";;
esac
```

The terminal also shows the output of the script being executed:

```
root@baobao-VirtualBox:~/Desktop
root@baobao-VirtualBox:~/Desktop# ./script2
Please choose a number
1: Salad
2: Eggs
3: Cheese
2
Thanks! You choose eggs!
root@baobao-VirtualBox:~/Desktop# ./script2
Please choose a number
1: Salad
2: Eggs
3: Cheese
4
Sorry! We only have eggs, salad and cheese
root@baobao-VirtualBox:~/Desktop#
```

Câu 2:

The screenshot shows a VirtualBox window titled "UbuntuBao [Running] - Oracle VM VirtualBox". Inside the window is an Ubuntu desktop environment. A terminal window is open, displaying the following code:

```
for ((i=1; i<=10; i++))
do
  for ((star=1; star <= $i; star++))
  do echo -n "*"
  if test $star -eq $i
  then echo ""
  fi
done
done
```

Overlaid on the terminal is a script editor window titled "script2" with the following content:

```
File Edit View Search Terminal Help
root@baobao-VirtualBox: ~/Desktop
root@baobao-VirtualBox:~/Desktop# ./script2
**
***
****
*****
*****
*****
*****
*****
root@baobao-VirtualBox:~/Desktop#
```

The status bar at the bottom of the VirtualBox window shows the system clock as 12:56 PM and the language as ENG.

The screenshot shows the same VirtualBox window as above. The terminal window now displays the output of the script:

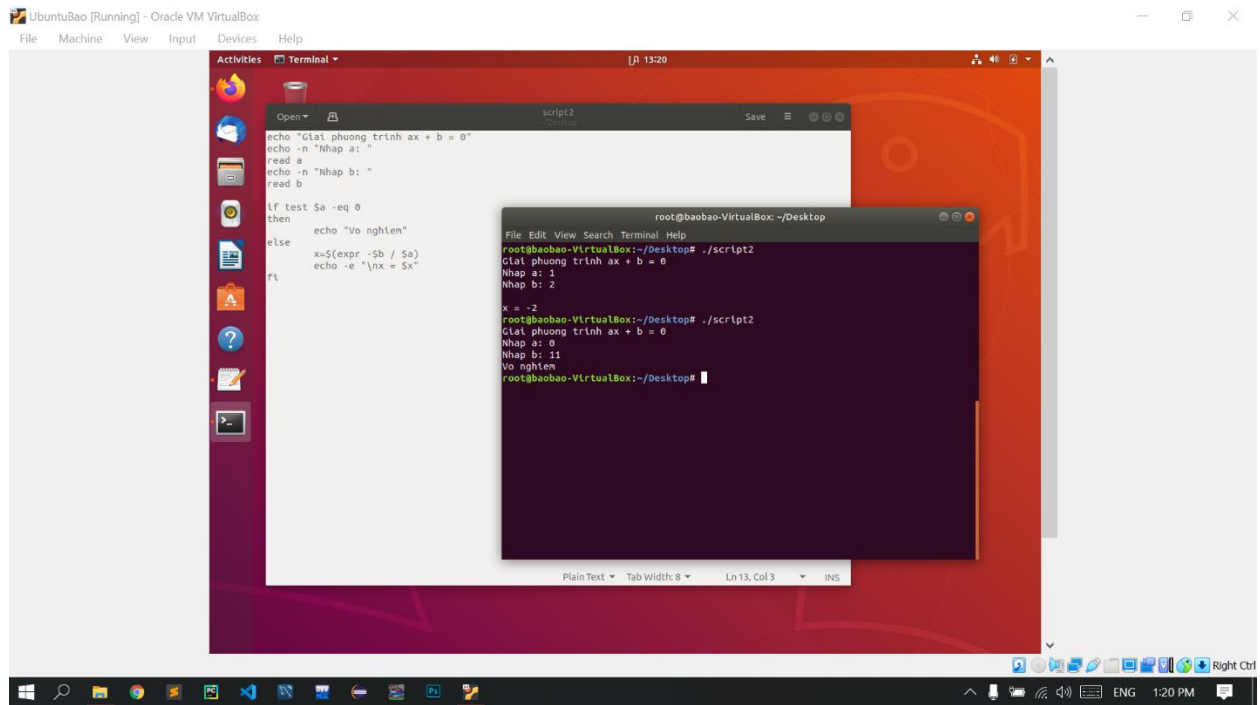
```
For i in 1 2 3 4 5
do
  echo "1 2 3 4 5"
done
```

The script editor window "script2" shows the output of the script execution:

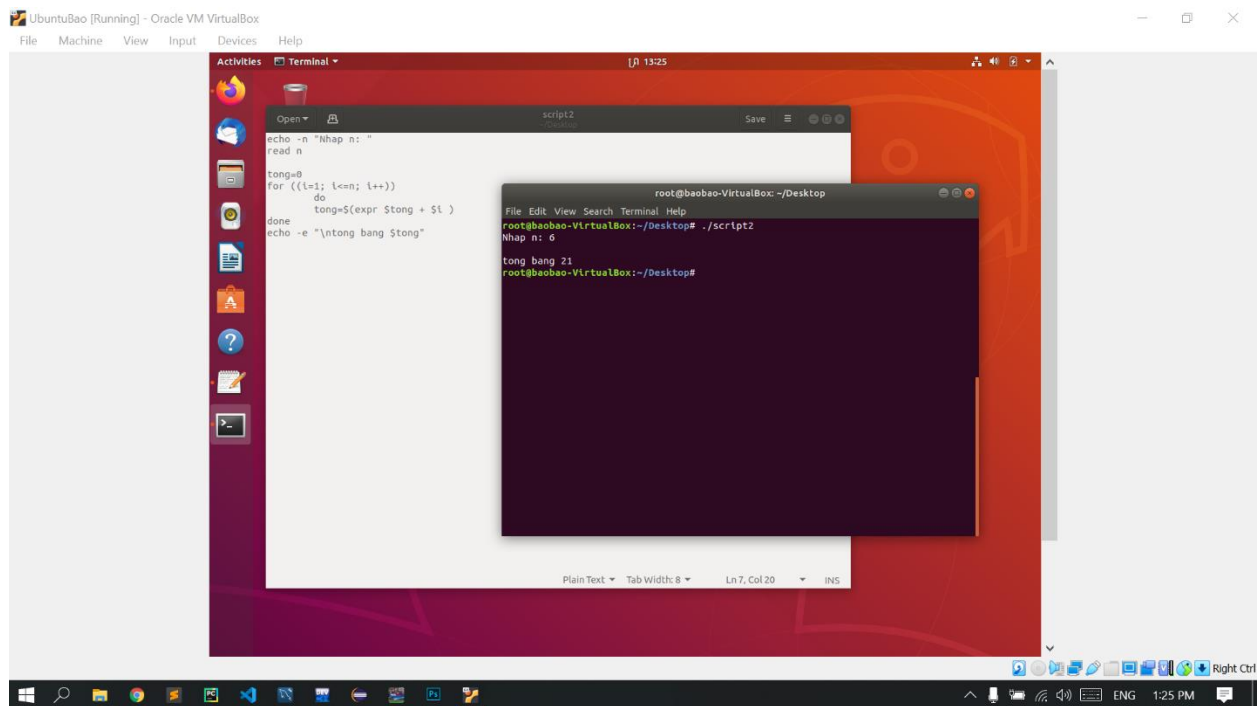
```
File Edit View Search Terminal Help
root@baobao-VirtualBox:~/Desktop# ./script2
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
root@baobao-VirtualBox:~/Desktop#
```

The status bar at the bottom of the VirtualBox window shows the system clock as 12:58 PM and the language as ENG.

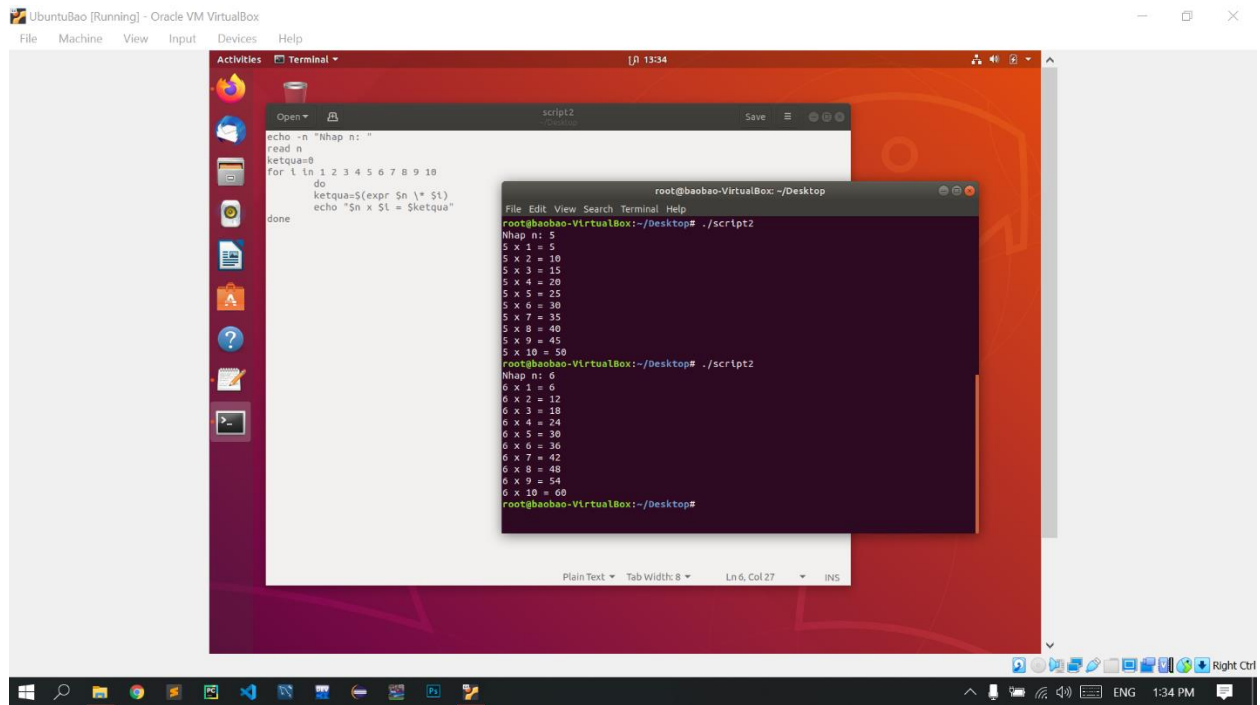
Câu 3:



Câu 4:



Câu 5:



Câu 6:

