Họ và tên: Trần Đình Khang

MSSV: 18520072

Mã Lớp: IT007.K21.KHTN

Bài thực hành Lab02

Bài 1:

2.4.2. Điều khiển sell bằng tập tin kịch bản (script file)

2.4.2.1 Sử dụng biến

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 🔔 📙 🗙
File Edit View Search Terminal Help
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ echo $xi
nchao
Hello
trankhang@trankhang2503:~/Downloads/He Dieu Hanh/Thuc Hanh/BaiNop/Lab2$ xinchao=
trankhang@trankhang2503:~/Downloads/He Dieu Hanh/Thuc Hanh/BaiNop/Lab2$ echo $xi
I am heren Van
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ xinchao=
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ echo $xi
nchao
12+1
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ read you
               Ket qua in ra man hinh: Hello XYZ
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ echo "He
llo "$yourname
Hello XYZ
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

Ví dụ 2-1: variables.sh

```
Text Editor
                                                                       T6 00:32
                                variables.sh
                                                                  :
   Open ▼
              a
                                                                         Save
                                                                             ×
                   --/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2
 #!/bin/sh
myvar="Hi there"
echo $myvar
echo "message : $myvar"
 echo 'message : $myvar'
_echo "message : /$myvar"
 echo Enter some text
read myvar
--echo '$myvar' now equals $myvar
```

Ví dụ 2-2: try_variables.sh

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 🔔 🔘 🗙
 File Edit View Search Terminal Help
 trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ chmod +x
 try_variables.sh
 trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ /bin/sh
try_variables.sh 1 2 3
Hello
The program try_variables.sh now running
The second parameter was 2V-Variables.sh. đôi thuộc tính thuộc
The first parameter was 1
The parameter list was 1 2 3
The user's home directory is /home/trankhang variablebles.sh
Hello
Hello
The script is now complete ables shift dong lenh, ban se nhit
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

Ví dụ 2-3: if control.sh

Ví dụ 2-4: elif_control.sh

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 _ U X
 File Edit View Search Terminal Help
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ chmod +x
 elif_control.sh
 trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./elif_c
 ontrol.sh
Is it morning? Please answer yes or no
no
Good afternoon
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./elif_c
ontrol.sh
Is it morning? Please answer yes or no
             n gián như ví dụ 2-3, nhưng chúng ta sử
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./elif_c
 ontrol.sh
Is it morning? Please answer yes or no 19001 dung khong nhan
ok
Sorry, ok not recognized. Enter yes or no
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

Ví du 2-5: elif control2.sh

Ví du 2-6: foor loop.sh

Ví du 2-7: for loop2.sh

Ví dụ 2-8: password.sh

Ví dụ 2-9: while for.sh

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 💷 🛛 🗶
 File Edit View Search Terminal Help
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./while_
for sh
Here 1
Here 2
Here Bai vi du sau:
Here 4
Hereds 2-9: while for.sh
Here 6
Here 7
Here 8
Неге 9
Here 10
Here 11
 Here 12
Here 13
Here 14
Here 15
Here 16
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

Ví du 2-10: until user.sh

Ví du 2-11: case1.sh

Ví du 2-12: case2.sh

Ví du 2-13: case3.sh

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 __
File Edit View Search Terminal Help
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./case3.
sh
Is it morning? Please answer yes or no
yes
Good Morning
Up bright and early this morning
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./case3.
Is it morning? Please answer yes or no
no
Good Afternoon
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./case3.
Is it morning? Please answer yes or no
Sorry, answer not recognised
Please answer yes or no
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

Bài 2 : Viết chương trình cho phép nhập vào tên và mssv. Kiếm tra nếu mssv đó không trùng với mình thì bắt nhập lại. In ra màn hình kết quả.

```
password_2.sh
                                                                  _ _ X
  Open ▼
            .
                                                       Save
                              eu_Hanh/Thuc_Hanh/BaiNop/Lab2
#!/bin/sh
echo "Enter your name"
read Name
echo "Enter your ID"
read mssv
while [ "$mssv" != "18520072" ]; do
        echo "This is not $Name's ID"
        echo "Please, try again"
        read mssv
done
echo "Wellcome!!!"
exit 0
```

Excute:

```
trankhang@trankhang2503: ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2 _ 🔲 🗙
File Edit View Search Terminal Help
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ gedit pa
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$ ./passwo
rd_2.sh
Enter your name
Tran Dinh Khang
Enter your ID
18520012
This is not Tran Dinh Khang's ID
Please, try enter your ID again!!!
This is not Tran Dinh Khang's ID
Please, try enter your ID again!!!
18520072
Wellcome!!!
trankhang@trankhang2503:~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2$
```

<u>Bài 3:</u> Viết chương trình cho phép nhập vào một số n. Kiểm tra nếu n < 10 thì bắt nhập lại. Tỉnh tổng các số từ 1 đến n. In kết quả ra màn hình.

```
bai3.sh
 Open ▼
            B
                                                         Save
                                                                        ×
                  ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2
#!/bin/sh
echo "Enter Integer n"
read n
while [ "$n" -lt 10 ]
        echo "Sorry, try again"
        read n
done
Sum=0
foo=1
while [ "$foo" -le "$n" ]
do
        Sum=$(($Sum + $foo))
        foo=$(($foo + 1))
done
echo "Sum 1 to $n: $Sum"
exit 0
```

Excute:

<u>Bài 4:</u> Viết chương trình cho phép nhập vào một chuỗi. Kiểm tra chuỗi đó có tồn tại trong một file text (ví dụ test.txt) cùng thư mục hay không.

```
bai4.sh
                                                               : _ _ ×
  Open ▼
            Save
                 ~/Downloads/He_Dieu_Hanh/Thuc_Hanh/BaiNop/Lab2
#!/bin/sh
echo "Enter pattern"
read pattern
flat=0
for file in $(ls *.txt)
        if grep -i -l "Spattern" Sfile
        then
                 flat=1
        fi
done
if [ "$flat" = "0" ]
then
        echo "Can not find file!"
fi
exit 0
```

Excute: