Linux第二次作业
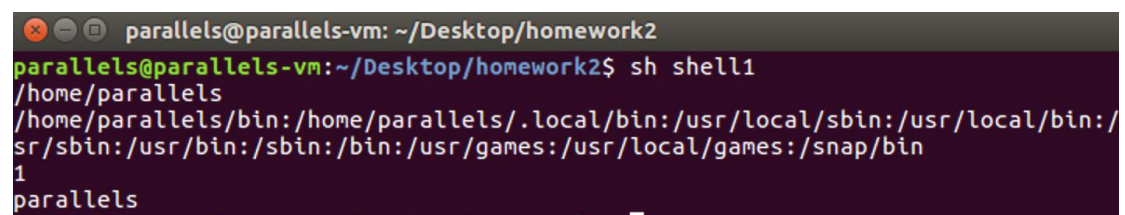
161250041 侯韵晗

Shell 脚本编写:

1. 编写一个 shell 脚本显示 HOME、PATH、SHLVL、LOGNAME 变量的值。

答:
#!/bin/bash
echo "$HOME"
echo "$PATH"
echo "$SHLVL"
echo "$LOGNAME"

2. 用 while 语句重写下列 Shell 脚本程序,以实现相同的功能:
#!/bin/sh
clear
select item in Continue Finish
do
case "$item" in
    Continue) ;;
    Finish) break ;;
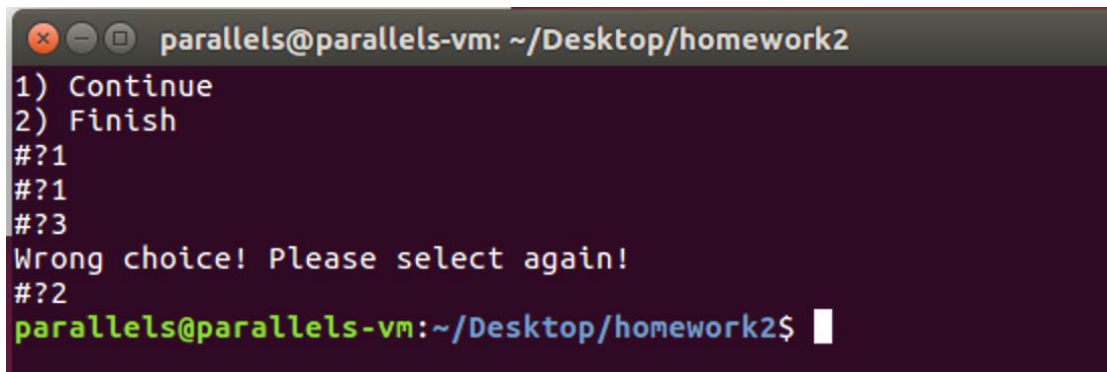   ***) echo "Wrong choice! Please select again!";;**
esac
done

答:
#!/bin/sh

```
clear
echo "1) Continue"
echo "2) Finish"
echo -n "#?"
while read item
do
case "$item" in
    1) echo -n "#?";;
    2) break ;;
    *) echo "Wrong choice! Please select again!"
        echo -n "#?";;
esac
done
```


3. 编写一个 shell 脚本，显示 Fibonacci 数列的前 10 个数字。(Fibonacci 数列: a[i+2]=a[i+1]+a[i], a[1]=0, a[2]=1, i>=1)
答:

```
#/bin/sh

first=0
second=1
third=1
echo $first
echo $second
for((i=1;i<=8;i++))
do
```

```bash
    echo $third
    let first=$second
    let second=$third
    let third=$first+$second
done
```

```
parallels@parallels-vm:~/Desktop/homework2$ bash shell3
0
1
1
2
3
5
8
13
21
34
parallels@parallels-vm:~/Desktop/homework2$
```