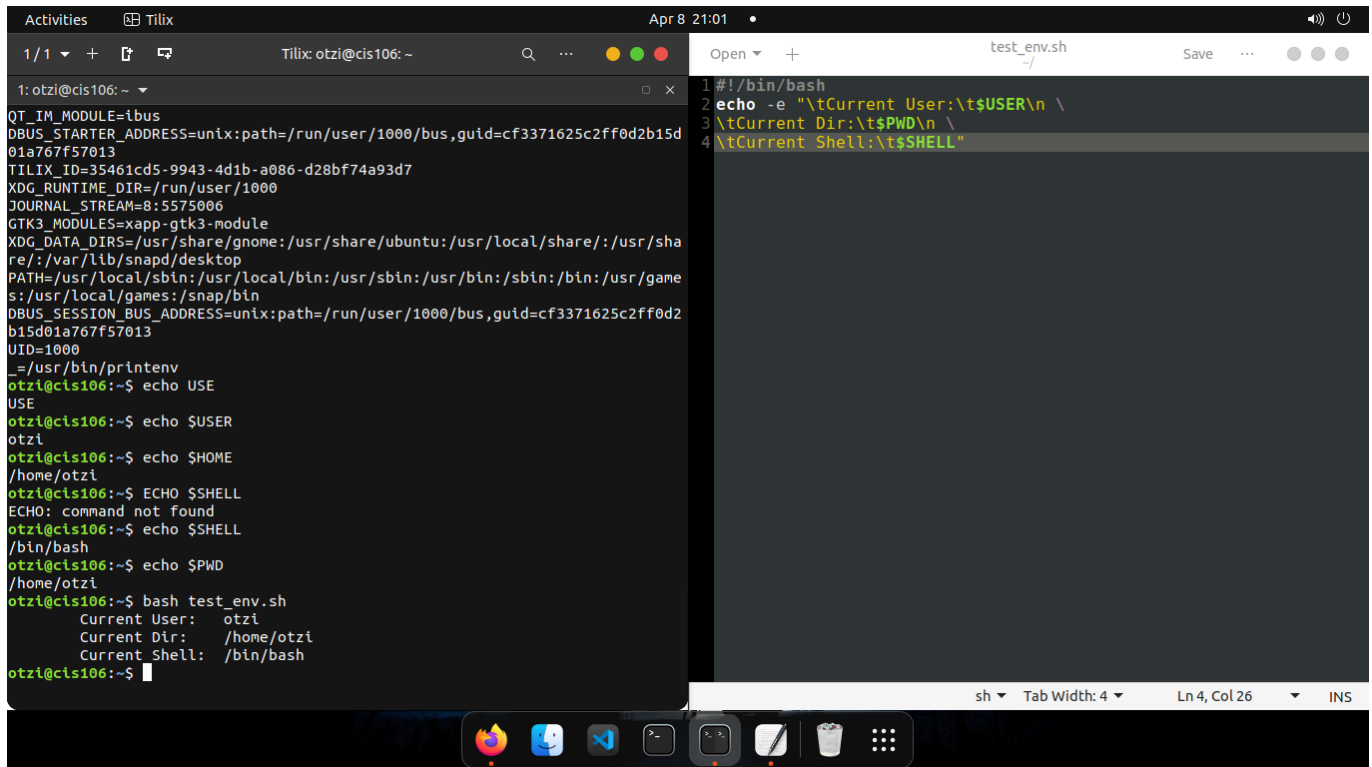


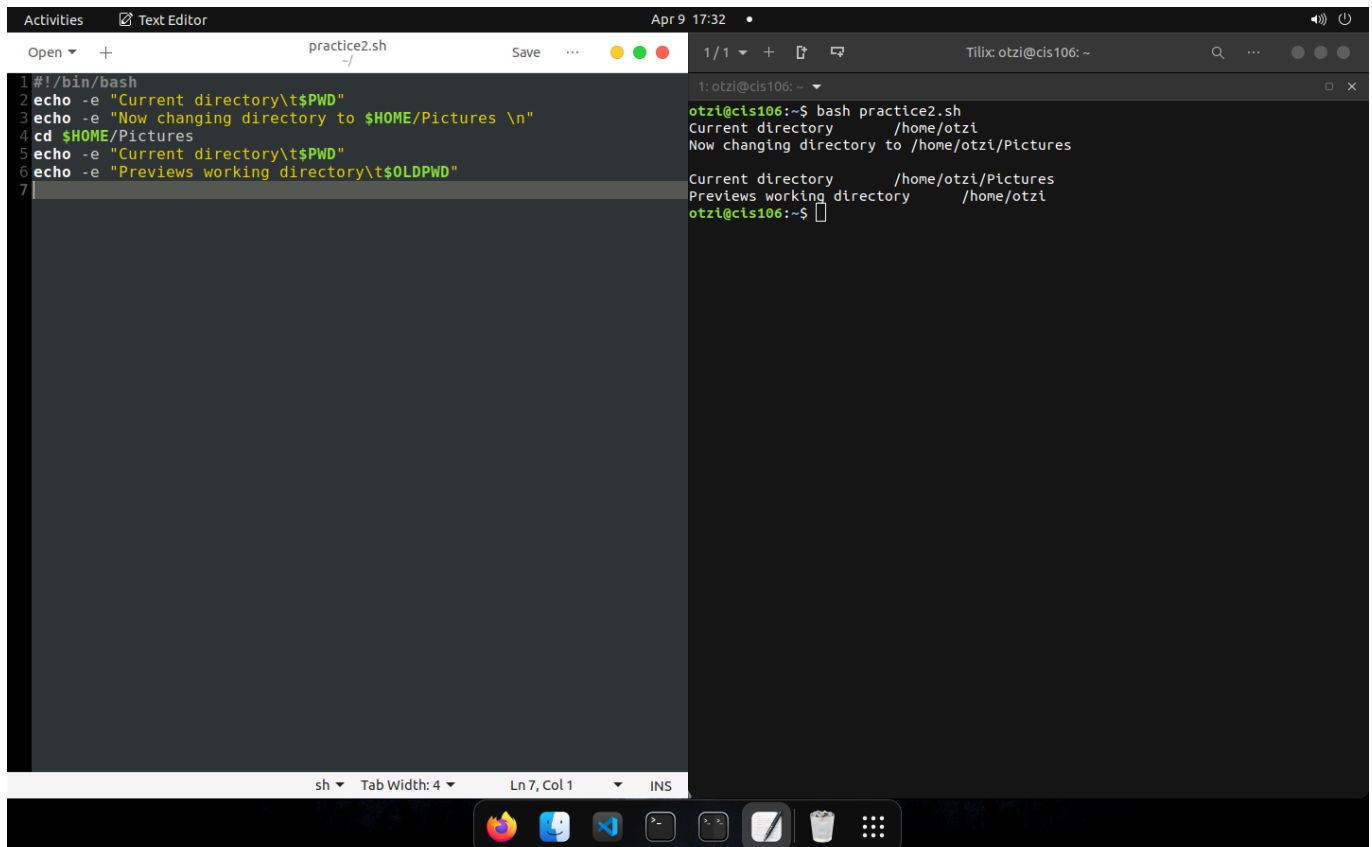
Extra Credit 4: Bash Variables

Practice 1



```
1: otzi@cis106: ~  
QT_IM_MODULE=ibus  
DBUS_STARTER_ADDRESS=unix:path=/run/user/1000/bus,guid=cf3371625c2ff0d2b15d01a767f57013  
TILIX_ID=35461cd5-9943-4d1b-a086-d28bf74a93d7  
XDG_RUNTIME_DIR=/run/user/1000  
JOURNAL_STREAM=8:5575006  
GTK3_MODULES=xapp-gtk3-module  
XDG_DATA_DIRS=/usr/share/gnome:/usr/share/ubuntu:/usr/local/share:/usr/share:/var/lib/snapd/desktop  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin  
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus,guid=cf3371625c2ff0d2b15d01a767f57013  
UID=1000  
_=/usr/bin/printenv  
otzi@cis106:~$ echo USE  
USE  
otzi@cis106:~$ echo $USER  
otzi  
otzi@cis106:~$ echo $HOME  
/home/otzi  
otzi@cis106:~$ ECHO $SHELL  
ECHO: command not found  
otzi@cis106:~$ echo $SHELL  
/bin/bash  
otzi@cis106:~$ echo $PWD  
/home/otzi  
otzi@cis106:~$ bash test_env.sh  
Current User: otzi  
Current Dir: /home/otzi  
Current Shell: /bin/bash  
otzi@cis106:~$
```

Practice 2



```
1: otzi@cis106: ~  
otzi@cis106:~$ bash practice2.sh  
Current directory /home/otzi  
Now changing directory to /home/otzi/Pictures  
Current directory /home/otzi/Pictures  
Previews working directory /home/otzi  
otzi@cis106:~$
```

Practice 3

```

1 #!/bin/bash
2 name="bob"
3 age="45"
4 addr="123 main street"
5 email="bob@mail.com"
6 phone="113-222-4433"
7 echo -e "\t"
8 echo -e "\tNew User's information:"
9 echo -e "\t"
10 echo -e "\tName:\t$name"
11 echo -e "\tAge:\t$age"
12 echo -e "\tAddr:\t$addr"
13 echo -e "\tEmail:\t$email"
14 echo -e "\tPhone:\t$phone"
15 echo -e "\t"

```

```

1: otzi@cis106: ~
otzi@cis106:~$ bash practice3.sh

New User's information:

Name:   bob
Age:    45
Addr:   123 main street
Email:  bob@mail.com
Phone:  113-222-4433

otzi@cis106:~$

```

Practice 4

```

1 #!/bin/bash
2 # Create variables that store absolut paths
3 pic="$HOME/Pictures"
4 doc="$HOME/Documents"
5 log="LOG: The pwd has been changed"
6
7 # Display current directory using PWD Env. Var.
8 echo -e "The current directory: $PWD. \nChanging to $pic"
9
10 # Change the current directory to the path stored in pic variable
11 cd $pic
12
13 # Use the log variable to display a message to the user
14 echo $log
15
16 # display absolute path of the current working directory
17 pwd
18 cd $doc
19 echo $log
20
21 # use environment variables to display pwd and oldpwd
22 echo -e "Current PWD: $PWD\nPreviews PWD: $OLDPWD\n"
23
24 # list both directories
25 ls -lGgh $pic $doc
26

```

```

1: otzi@cis106: ~
otzi@cis106:~$ bash practice4.sh
The current directory: /home/otzi.
Changing to /home/otzi/Pictures
LOG: The pwd has been changed
/home/otzi/Pictures
LOG: The pwd has been changed
Current PWD: /home/otzi/Documents
Previews PWD: /home/otzi/Pictures

/home/otzi/Documents:
total 3.4M
drwxrwxr-x 2 4.0K Nov  8 00:06 Books
drwxrwxr-x 7 4.0K Nov  4 02:30 Cis106
drwxrwxr-x 2 4.0K Apr  3 00:01 confidential
drwxrwxr-x 2 4.0K Nov 15 00:48 Csv
drwxrwxr-x 2 4.0K Nov  8 00:07 Json
-rw-rw-r-- 1 3.4M Mar 12 16:08 lab4files.zip
-rw-rw-r-- 1 205 Oct 31 23:11 parameters.sh
-rw-rw-r-- 1  83 Nov 15 00:24 pets.txt
-rw-rw-r-- 1 202 Oct 31 23:38 report.sh
-rw-rw-r-- 1  23 Oct 31 23:23 script1.sh
-rw-rw-r-- 1 560 Oct 31 23:57 userInput.sh

/home/otzi/Pictures:
total 1.1M
drwxrwxr-x 2 4.0K Apr  3 00:14 confidential
-rw-rw-r-- 1  0 Apr  3 00:14 hello.py
drwxrwxr-x 2 4.0K Apr  5 03:32 lab5wallpapers
-rw-rw-r-- 1 182K Apr  8 21:01 p1_var.png
-rw-rw-r-- 1 120K Apr  9 17:32 p2.png
-rw-rw-r-- 1 135K Apr  9 17:39 p3.png
-rw-rw-r-- 1  0 Apr  3 00:14 program.py
-rw-rw-r-- 1 111K Apr  1 21:45 q1.png
-rw-rw-r-- 1  50K Apr  1 21:49 q2.png
-rw-rw-r-- 1 378K Apr  3 23:05 q3.png
-rw-rw-r-- 1  52K Apr  5 02:25 q4.png
drwxrwxr-x 2 4.0K Apr  3 20:09 Screenshots
drwxrwxr-x 2 4.0K Mar  2 23:05 wallpapers

otzi@cis106:~$

```