

Assignment 3 Lab 2

I affirm that my work upholds the highest standards of honesty and academic integrity at Wittenberg and that I have neither given nor received unauthorized assistance.

Thomas Weis

Shell Scripts Created:

myname (procedure part one)

```
#!/bin/bash
```

```
myname () {  
  echo $1  
  echo '$1'  
  echo "$1"  
}  
myname $1
```

myname (procedure part two)

```
#!/bin/bash
```

```
myname () {  
  person=$1  
  echo $person  
  readonly person  
  person=$1  
  echo $1  
}  
myname $1
```

part6

```
#!/bin/bash
```

```
echo date  
echo ~  
echo $PATH
```

Output, Steps, and Answers:

```
thomas@thomas-VirtualBox:~$ nano myname.sh  
thomas@thomas-VirtualBox:~$ chmod 777 myname.sh  
thomas@thomas-VirtualBox:~$ cat myname.sh  
#!/bin/bash
```

```
myname () {  
  echo $1  
  echo '$1'  
  echo "$1"  
}  
myname $1  
thomas@thomas-VirtualBox:~$ ./myname.sh thomas  
thomas
```

\$1

thomas

thomas@thomas-VirtualBox:~\$ nano myname.sh

thomas@thomas-VirtualBox:~\$ cat myname.sh

#!/bin/bash

```
myname () {  
  person=$1  
  echo $person  
  readonly person  
  person=$1  
  echo $1  
}
```

myname \$1

thomas@thomas-VirtualBox:~\$./myname.sh thomas

thomas

./myname.sh: line 7: person: readonly variable

thomas@thomas-VirtualBox:~\$

thomas@thomas-VirtualBox:~\$ echo home

home

thomas@thomas-VirtualBox:~\$ /home

bash: /home: Is a directory

thomas@thomas-VirtualBox:~\$ pwd

/home/thomas

thomas@thomas-VirtualBox:~\$ echo ~

/home/thomas

thomas@thomas-VirtualBox:~\$ ~

bash: /home/thomas: Is a directory

thomas@thomas-VirtualBox:~\$ echo \$PATH myname.sh

/user/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/home/thomas/bin myname.sh

thomas@thomas-VirtualBox:~\$ PATH=home/thomas/bin/myname.sh:\$PATH~/bin/myname.sh

thomas@thomas-VirtualBox:~\$ echo \$PATH myname.sh

home/thomas/bin/myname.sh:/user/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/home/thomas/bin~/bin/myname.sh myname.sh

thomas@thomas-VirtualBox:~\$

thomas@thomas-VirtualBox:~\$ PS1="\u@\h \w \!]"

[thomas@thomas-VirtualBox ~ 277]\$

[thomas@thomas-VirtualBox ~ 277]\$

[thomas@thomas-VirtualBox ~ 277]\$ echo hello, testing

hello, testing

[thomas@thomas-VirtualBox ~ 278]\$ PS1="\u@\h]\$ "

[thomas@thomas-VirtualBox]\$ PS1="[]\$ "

[]\$ PS1="\$ "

\$ echo testing

testing

\$ nano part6

\$ chmod +x part6

\$./part6

date

/home/thomas

home/thomas/bin/myname.sh:/user/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/home/thomas/bin~/bin/myname.sh

Answer to Procedure Step 2:

Before where is would display a name my name would come up as originally planned, however, because of readonly, the line `./myname.sh: line 7: person: readonly variable` showed up in its place instead.

Answer to Procedure Step 3:

`/home` and `~` are equal

Answer to Procedure Step 4:

This gives me ultimately supposed to be a shorter way of finding where the variable is. There is less I have to type out to describe the path and be more user friendly.