

CIS341

Lab 01

1. Part 01

a. Log in to Linux

```
C:\Users\ishaa>ssh learn.taliaq.com -l stud323
stud323@learn.taliaq.com's password:
Last login: Sat Oct 15 19:47:03 2022 from d209-121-47-2.bchsia.telus.net
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

b. Changing directory to `/bin` and listing all the shells

```
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ cd /bin && ls *sh
bash  gettext.sh  lesspipe.sh  rescanner-scsi-bus.sh  sh  stapsh
chsh  lchsh       nettle-hash  setup-nssysinit.sh  ssh
[stud323@centos-s-1vcpu-2gb-tor1-01 bin]$
```

c. Changing directory to `/etc` and using Tab to autofill the filenames

```
[stud323@centos-s-1vcpu-2gb-tor1-01 bin]$ cd /etc
[stud323@centos-s-1vcpu-2gb-tor1-01 etc]$ ls -l host
host.conf  hostname  hosts      hosts.allow  hosts.deny
[stud323@centos-s-1vcpu-2gb-tor1-01 etc]$ ls -l hosts.
hosts.allow  hosts.deny
[stud323@centos-s-1vcpu-2gb-tor1-01 etc]$ ls -l hosts.allow
-rw-r--r--. 1 root root 370 Jun  7 2013 hosts.allow
[stud323@centos-s-1vcpu-2gb-tor1-01 etc]$
```

d. Changing directory to Home & using the last command; printing the shell prompt format

```
[stud323@centos-s-1vcpu-2gb-tor1-01 etc]$ cd
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ !ls
ls -l hosts.allow
ls: cannot access hosts.allow: No such file or directory
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ echo $PS1
[\u@\h \W]\$
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

e. Bash Manual with `/d` string

```
\a      an ASCII bell character (07)
\d      the date in "Weekday Month Date" format (e.g., "Tue May 26")
\{format}  the format is described in the following table
```

f. Changing the shell prompt format with `/d`.

```
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ export PS1="\d$PS1"
Sun Oct 16[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

- g. Step 20-21: *Nothing changed on my terminal.*

```
Sun Oct 16 [stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ bash
Sun Oct 16 [stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ exit
exit
Sun Oct 16 [stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

2. Part 02

- a. Log in to Linux terminal

```
C:\Users\ishaa>ssh learn.taliaq.com -l stud323
stud323@learn.taliaq.com's password:
Last login: Sun Oct 16 05:40:30 2022 from d209-121-47-2.bchsia.telus.net
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

- b. `/pwd` and `vi .bashrc`

```
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ pwd
/home/stud323
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ vi .bashrc
```

- c. Editing `.bashrc` file.

```
# Source global definitions
if [ -f /etc/bashrc ]; then
    . /etc/bashrc
fi

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=

# User specific aliases and functions
TEST_VAR="This is a test"
export TEST_VAR
alias tv="echo $TEST_VAR"
_
```

- d. `tv`: *Not found*

```
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ tv
-bash: tv: command not found
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

- e. `tv`: *Now found*

```
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ bash
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ tc
Usage: tc [ OPTIONS ] OBJECT { COMMAND | help }
       tc [-force] [-OK] -batch filename
where  OBJECT := { qdisc | class | filter | action | monitor | exec }
       OPTIONS := { -s[tatistics] | -d[etails] | -r[aw] | -p[retty] | -b[atch] [filename] | -n[etns] name |
                  -nm | -nam[es] | { -cf | -conf } path }
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$ tv
This is a test
[stud323@centos-s-1vcpu-2gb-tor1-01 ~]$
```

f. Re-editing *.bashrc* file

```
# Source global definitions
if [ -f /etc/bashrc ]; then
    . /etc/bashrc
fi

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=

# User specific aliases and functions
~
~
~
```