

The goal of this lab is to help you install the three operating systems that you will use during the remainder of the labs.

**IMPORTANT:** Please take a screenshot for each step and submit those with the correct step number in a word or pdf file. You can take screenshots of multiple steps that fit into one screen.

Before the Lab – Required reading

Please refer to the slides for week 2 (in canvas), and complete the example practices

Task A Using Shell Features (100 points)

1. Boot your Linux virtual machine. After your Linux system has been loaded, Open the terminal
2. At the command prompt, type `pwd` and press Enter to view the current working directory.

What is your current working directory? **/HOME/ brandon**

3. At the command prompt, type `cd` and press Enter. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? Why or why not? **No, it stayed the same. I didn't direct it to a different directory**
4. At the command prompt, type `cd .` and press Enter. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? Why or why not? **No it stayed on /home/brandon**
5. At the command prompt, type `cd ..` and press Enter. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? Why or why not? **Yes it changed to /home it cd .. will take you to the parent directory one above the directory you were in.**

```
(brandon@PearsonKali)-[~]
└─$ pwd
/home/brandon
Step 2.

(brandon@PearsonKali)-[~]
└─$ cd
Step 3

(brandon@PearsonKali)-[~]
└─$ pwd
/home/brandon

(brandon@PearsonKali)-[~]
└─$ cd .
Step 4

(brandon@PearsonKali)-[~]
└─$ pwd
/home/brandon

(brandon@PearsonKali)-[~]
└─$ cd ..
Step 5

(brandon@PearsonKali)-[/home]
└─$ pwd
```

6. At the command prompt, type `cd root` and press Enter. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? Where are you now? Did you specify a relative or absolute pathname to your home directory when you used the `cd root` command?

**Cd: no such file or directory: root . It failed because there is no file named root in the active directory**

7. At the command prompt, type `cd etc` and press Enter. What error message did you receive and why? **Cd: no such file or directory: etc It failed because there is no file named root in the active directory**

```
File Actions Edit View Help
└─(brandon@PearsonKali)-[~]
└─$ cd ..
└─(brandon@PearsonKali)-[~/home]
└─$ pwd
/home
└─(brandon@PearsonKali)-[~/home]
└─$ cd root
cd: no such file or directory: root
└─(brandon@PearsonKali)-[~/home]
└─$ pwd
/home
└─(brandon@PearsonKali)-[~/home]
└─$ cd etc
cd: no such file or directory: etc
└─(brandon@PearsonKali)-[~/home]
└─$ cd /etc
```

Handwritten red annotations on the terminal output:

- Step 5: A bracket groups the first two terminal sessions (cd .. and pwd).
- Step 6: A bracket groups the third and fourth terminal sessions (cd root and pwd).
- Step 7: A dash and bracket group the fifth and sixth terminal sessions (cd etc and cd /etc).

8. At the command prompt, type `cd /etc` and press Enter. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? Did you specify a relative or absolute pathname to the `/etc` directory when you used the `cd /etc` command? **Yes the directory changed to /etc**
9. Using a relative pathname, move to the `skel` directory. At the command prompt, type `pwd` and press Enter to view the current working directory. Did your current working directory change? **Yes I am in the /etc/skel directory**
10. Execute the correct command to return to your home directory  
**Cd /home**

```
(brandon@PearsonKali)-[/home]
$ cd /etc
```

```
(brandon@PearsonKali)-[/etc]
$ pwd
/etc
```

Step 8

```
(brandon@PearsonKali)-[/etc]
$ cd /etc/skel
```

```
(brandon@PearsonKali)-[/etc/skel]
$ pwd
/etc/skel
```

Step 9

```
(brandon@PearsonKali)-[/etc/skel]
$ cd /home
```

```
(brandon@PearsonKali)-[/home]
$ pwd
/home
```

Step 10