

# **Terminal\_Shell\_Special\_Char Assignment 1**

## **1. Questions:**

- 1) What is a “Shell”?**
- 2) What is a “Terminal”?**
- 3) What is a “Console”?**
- 4) What’s the relationship of “Shell” and “Terminal”?**
- 5) Is there any difference in term “Terminal” and “Console”?**
- 6) How many different kinds of “Terminal” do you find after studying this class and related materials?  
What is a “virtual” terminal?**

## **2. Explain the meaning of each symbol in a shell command line environment:**

**#**

**\$**

**~**

**/**

.

..

- 1) What is a “Relative Path” and what’s “Absolute Path”?  
What’s the difference between them?

### 3. Mini Lab:

One can use “cd” command to change his current working directory. For example: typing “cd /” will change your current working directory to “/”, which is the root of your root file system. Suppose your current working directory is “/”, and now you want to “cd” to your home folder. Do a lab on your VM and answer below questions:

- 1) Write down the command to achieve your goal using  
“Absolute Path”
- 2) Write down the command to achieve your goal using  
“Relative Path”
- 3) In which scenario you’ll find using “Absolute Path” more convenient and in which circumstance you would prefer  
“Relative Path”, why?