*Linux Assignment:*

*Deploying CentOS Minimal / CentOS 7*

Take screenshots of each step. Write a brief explanation of each command and why is the command used below in your own words.

1. Create a virtual environment to host the VM. This can be done by installing Virtual Box or VMware workstation.
2. Virtual Box can be downloaded from link below: <https://www.virtualbox.org/wiki/Downloads>
3. Create a new VM and deploy CentOS Minimal with following specifications: Assign Memory of 2048 MB

Set Network Adaptor as Bridged Assign Virtual Disk Storage of 20 GB

Assign any root password to your VM (assign any password you want) and create one user (Your own name)

1. The image of CentOS can be found in below link, <http://isoredirect.centos.org/centos/7/isos/x86_64/CentOS-7-x86_64-Minimal-1708.iso>
2. Assign a hostname to your machine. Hostname should be YourName Initial
3. Make sure your VM has an IP address. (Use any method to achieve this. DHCP preferred*.*
4. Make sure you can run “ifconfig” in your machine.
5. Make sure you assign your own hostname to the machine
6. Paste the output of “cat /etc/redhat-release”
7. Make a new user called “yourname/initials” and assign password to that user as “yourname”
8. Make sure this user gets the sudo privileges.
9. Which command will you use to see that the new user is created. Paste the output of the command below.
10. Now, disable SeLinux on this VM. And, disable firewalld
11. Paste the output of “getenforce” and “systemctl status firewalld”
12. Now, assume that you have forgotten your systems's password.Perform the neccesary steps to reset(break) the password.
13. Add name servers “1.1.1.1” and “1.0.0.1” in your Linux system. Which file will you edit?
14. Which command will you use to check the Storage (total and free), Memory (RAM) and processors (CPU) allotted to your Virtual Machine?
15. Setting password policy for your Linux system.

Set it as follows

* Maximum number of days a password can be used is 120 days. Minimum number of days password changes is 7 days.
* Set minimum password length as 8 characters.
* System should give a warning about password change 7 days before the password expires.