Exercise 13: Booting, Initializing, and Virtualizing Linux

I. Prepare the environment
II. Working with systemd

1. Login to the CentOS server with user student
2. List all the unit files on the system
3. List all the units on the system
4. Show the status of sshd service
5. Show the content of sshd service unit file
6. You need to prevent the sshd service starting at boot. How can you do that.
7. Re-enable the sshd service to start at boot.

III. Shutdown the system

8. Using shutdown command to schedule system restart in next 5 minutes and send a message to other users that is working in the system.
9. Cancel the previous shutdown command.

IV. Notify users utilities

10. You must put some information to the users before they login to the system via console. How can you do that?
11. You must put some information to the users before they login to the system from the network. How can you do that?
12. You want to put some information to the users after thay login successfully to the system. How can you do that?
13. You want to broadcast a message to every users those are working on the system. How can you do that?
14. You don't want to receive wall messages from other users. Do the configuration for that.

Exercise Instructions

I. Prepare the environment

II. Working with systemd

1. Login to the CentOS server with the provided username and pasword: **student/lpic1@123**

2. List all the unit files on the system
   $ systemctl list-unit-files

3. List all the units on the system
   $ systemctl list-units

4. Show the status of sshd service
   $ systemctl status sshd

5. Show the content of sshd service unit file
   $ systemctl cat sshd.service

6. You need to prevent the sshd service starting at boot. How can you do that.
   $ sudo systemctl disable sshd

7. Re-enable the sshd service to start at boot.
   $ sudo systemctl enable sshd

III. Shutdown the system

8. Using shutdown command to schedule system restart in next 5 minutes and send a message to other users that is working in the system.
   $ sudo shutdown -r +5 "<input your message here>"

9. Cancel the previous shutdown command.
   $ sudo shutdown -c

IV. Notify users utilities

10. You must put some information to the users before they login to the system via console. How can you do that?
    You have to edit the /etc/issue file as follow
    $ vim /etc/issue
    <put some messages>
    :wq!

    Now, log out of the system to view your messages.

11. You must put some information to the users before they login to the system from the network. How can you do that?

    You have to edit the /etc/issue.net file like above. Use utilities like putty to ssh to your server to view your messages.

12. You want to put some information to the users after thay login successfully to the system. How can you do that?

    You have to edit the /etc/motd file.

13. You want to broadcast a message to every users those are working on the system. How can you do that?

    $ wall "<your message>"

14. You don't want to receive wall messages from other users. Do the configuration for that.

    $ mesg n