Lab 1

1. Install CentOS /RHEL
   Done

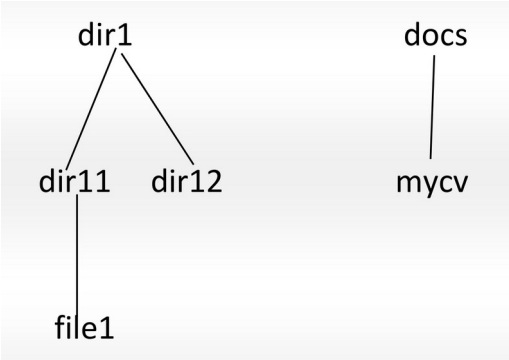
2. What is the difference between cat and more command?
   "Cat" command is used for showing the data inside a file.
   If the data is so huge that it can't be viewed in one screen,
   the "Cat" command will show only the last part of data which
   can fill only one screen.

   "More" command is also used for showing the data inside a file.
   "More" command has the advantage that it can show the whole data
   inside a file through more than one screen.

3. What is the difference between rm and rmdir using man?
   "rm" removes files or directories. Directories can be removed by adding
   -r option to the "rm" command

   "rmdir" removes empty directories

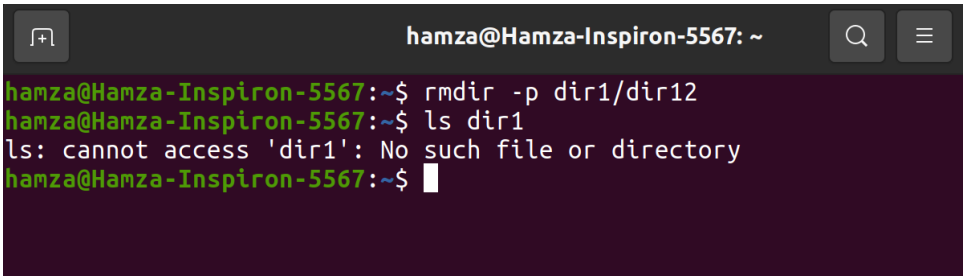
4. Create the following hierarchy under your home directory:



a) Remove dir11 in one-step. What did you notice? And how did you overcome that?

The directory couldn't be removed using "rmdir" because it is not empty. To over come that, we can use rm -r

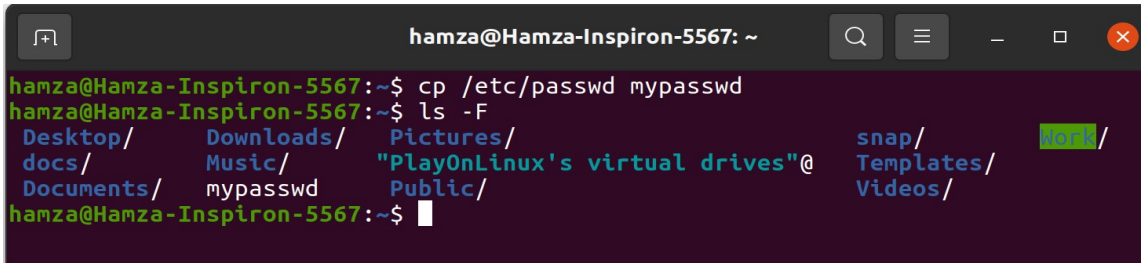
b) Then remove dir12 using rmdir –p command. State what happened to the hierarchy (Note: you are in your home directory).



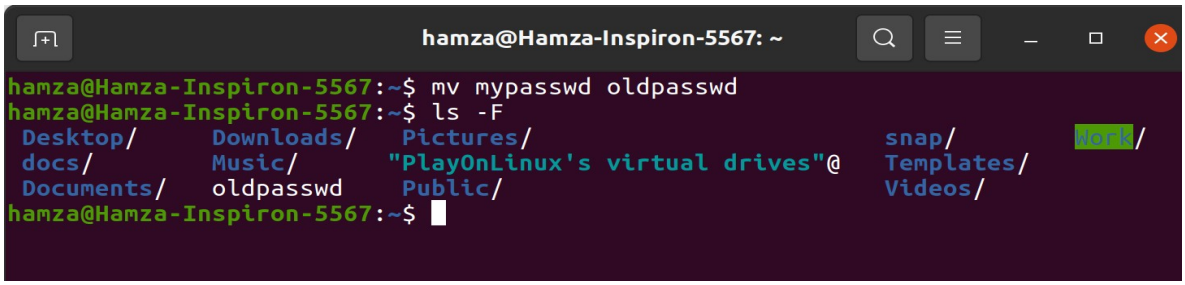
Both directories "dir12" and its parent directory "dir1" are removed.

c) The output of the command pwd was /home/user. Write the absolute and relative path for the file mycv
Absolute Path: /home/user/docs/mycv
Relative Path: docs/mycv

5. Copy the /etc/passwd file to your home directory making its name is mypasswd.



6. Rename this new file to be oldpasswd.



7. You are in /usr/bin, list four ways to go to your home directory
   a. cd ../.. ; cd home ; cd hamza
   b. cd ../../home/hamza
   c. cd /home/hamza
   d. cd ~

8. List Linux commands in /usr/bin that start with letter w
   cd / usr/bin; ls w?

9. Display the first 4 lines of /etc/passwd
   head -4 / *etc/passwd*

10. Display the last 7 lines of /etc/passwd
    tail -7 / *etc/passwd*

11. Display the man pages of passwd the command and the file sequentially in one command.
    Man -a passwd

12. Display the man page of the passwd file.
    Man -S5 passwd

13. Display a list of all the commands that contain the keyword passwd in their man page.
    Man -k passwd