iNeuron

Basic Linux Commands Assignments

Assignment-1

Connect and disconnect with login Access

- What happens when you login a non-existent users or username?
  - Provide Screenshot and What you understand, explain in short brief?

Assignment-2

Password changing

- Login into your account and then change password?
  - Change your password into *IneuR0n#42* and hit the **Enter** key
    - Explain what happen and give screenshot?
  - Try again to change password but use like password *1234* or *abcd*
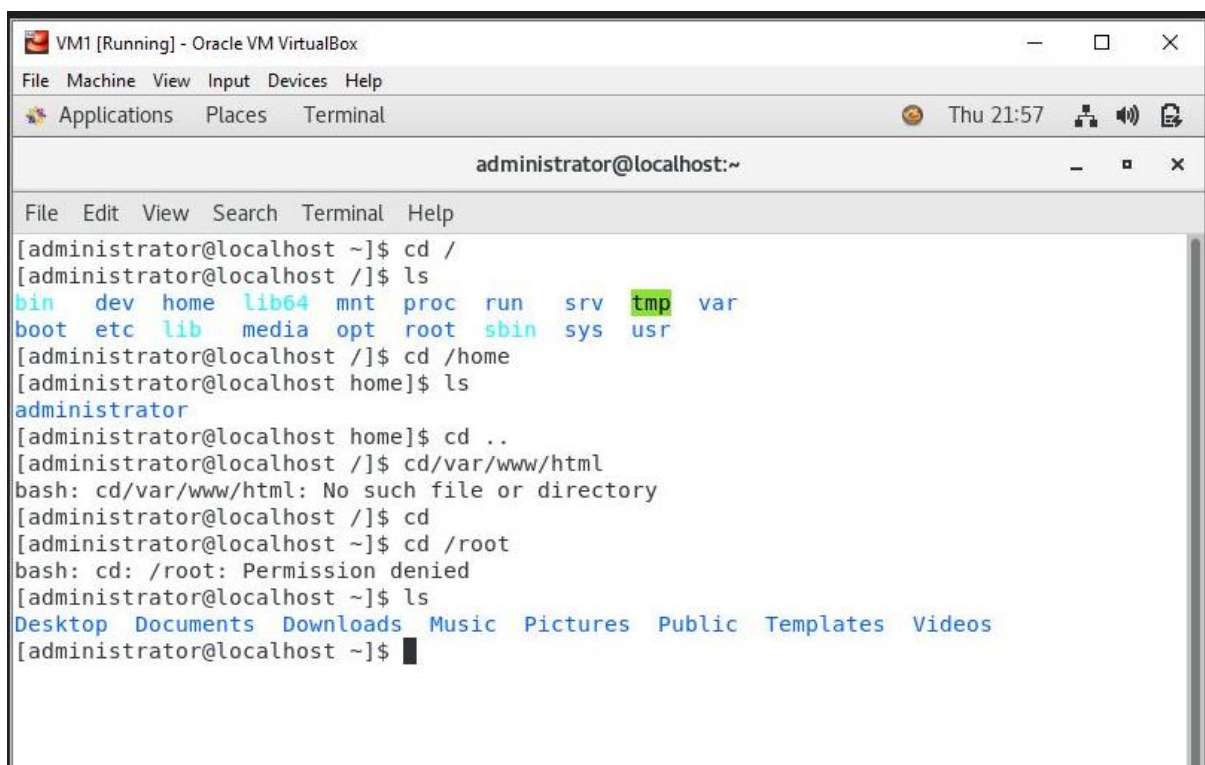
```
VM1 [Running] - Oracle VM VirtualBox                           —    □    ✕
File  Machine  View  Input  Devices  Help
  Applications    Places    Terminal            ☀ Thu 22:45  ⬚ ◀) 📋

                        administrator@localhost:~             _   ▫   ✕

File  Edit  View  Search  Terminal  Help
[administrator@localhost ~]$ passwd
Changing password for user administrator.
Changing password for administrator.
(current) UNIX password:
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[administrator@localhost ~]$ passwd
Changing password for user administrator.
Changing password for administrator.
(current) UNIX password:
New password:
BAD PASSWORD: The password is shorter than 8 characters
New password:
BAD PASSWORD: The password is shorter than 8 characters
New password:
BAD PASSWORD: No password supplied
passwd: Have exhausted maximum number of retries for service
[administrator@localhost ~]$ passwd
Changing password for user administrator.
Changing password for administrator.
(current) UNIX password:
passwd: Authentication token manipulation error
[administrator@localhost ~]$ ▊

    administrator@localhost:~

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```

- Explain what happen and give screenshot?
  o Try again to change password but now don't use any password just hit **Enter** key
    ▪ Explain what happen and give screenshot?

Assignment-3

Working with Directories

- Enter the command **cd /** and then **ls** and then hit **Enter** key
  o Take screenshot and explain what output we got?
- Enter the command now **cd /home** and then hit **Enter** key
  o Do **ls,** provide screenshot and explain what is **/home** directory used for?
- Enter **cd ..** and hit **Enter** key [*Note: here we have space after cd then use double dot*]
  o Check what happen and give screenshot?
- Now enter **cd /var/www/html** and then type **cd** and hit **Enter** key
  o Explain what happen and give screenshot?
- Now type **cd /root** and then hit **Enter** key
  o Do **ls,** check any output we have on screen if yes then take screenshot?

Assignment-4

Working with File Listing

- Go to **cd /etc** and type **ls**
  o Take screenshot and explain what files you have seeing?
  o Take screenshot and explain what different output you found compare to previous command you used?

- Then type **ls -al** and hit **Enter** key
  - Take screenshot and explain what new file or directory you found?
- Then use **ls -i** and hit **Enter** key
  - Now see what different output its shows and take screenshot?
- Then use **ls –help** and see other options about **ls** command
  - Explore it and try with other attribute we can use with **ls** command
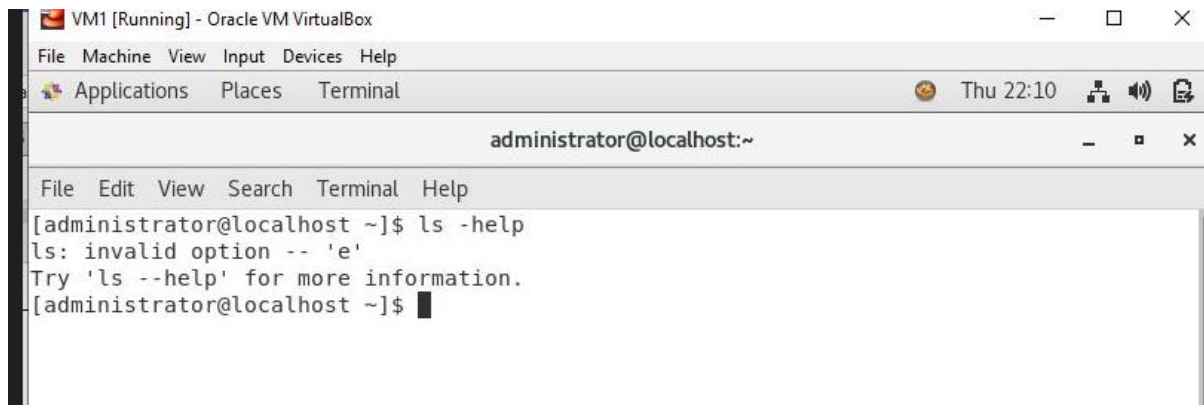
File Machine View Input Devices Help

Applications   Places   Terminal   Thu 22:01   🎧 ◀ 🔋

administrator@localhost:~   _   ▫   ✕

File   Edit   View   Search   Terminal   Help

```
[administrator@localhost ~]$ ls -al
total 32
drwx------.  15 administrator administrator 4096 Oct 20 18:30 .
drwxr-xr-x.   3 root          root            27 Oct 20 13:48 ..
-rw-------.   1 administrator administrator  511 Oct 20 22:00 .bash_history
-rw-r--r--.   1 administrator administrator   18 Apr  1  2020 .bash_logout
-rw-r--r--.   1 administrator administrator  193 Apr  1  2020 .bash_profile
-rw-r--r--.   1 administrator administrator  231 Apr  1  2020 .bashrc
drwx------.  14 administrator administrator 4096 Oct 20 13:52 .cache
drwxr-xr-x.  14 administrator administrator  261 Oct 20 13:53 .config
drwx------.   3 administrator administrator   25 Oct 20 13:50 .dbus
drwxr-xr-x.   3 administrator administrator   21 Oct 20 18:16 Desktop
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Documents
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Downloads
-rw-------.   1 administrator administrator   16 Oct 20 13:50 .esd_auth
-rw-------.   1 administrator administrator  310 Oct 20 13:50 .ICEauthority
drwx------.   3 administrator administrator   19 Oct 20 13:50 .local
drwxr-xr-x.   4 administrator administrator   39 Oct 20 13:42 .mozilla
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Music
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Pictures
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Public
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Templates
drwxr-xr-x.   2 administrator administrator    6 Oct 20 13:50 Videos
[administrator@localhost ~]$ ▮
```

administrator@localhost:~

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```
[administrator@localhost ~]$ ls -i
   80131 Desktop     18049874 Downloads   33593483 Pictures    33593482 Templates
   80132 Documents   18049875 Music       52035998 Public       52035999 Videos
[administrator@localhost ~]$ ▮
```
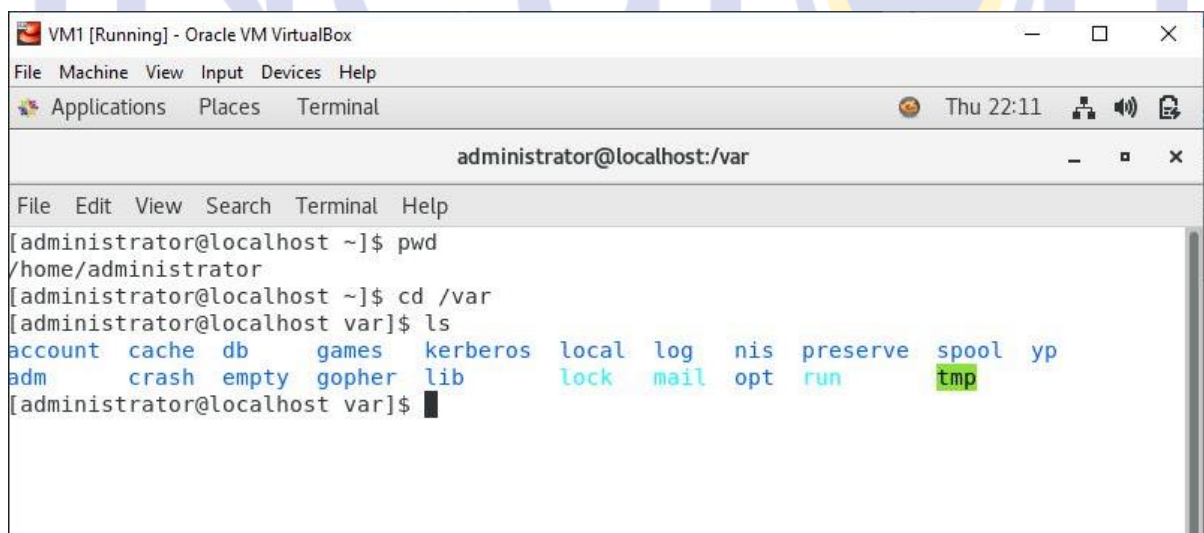
Assignment-5

Know where you are and where you working

*Here we use **pwd, cd and ls** as combine task to understand where you working on terminal and how you can switch from one directory to another one.*

- Open terminal after restart the linux
  - Check which location you working, type **pwd** and take screenshot
- Now use **cd /var** and hit **Enter** key
  - Do **ls,** and see what output comes, give screenshot?
- Do explore other help options of each command to learn more other things we can do with these commands