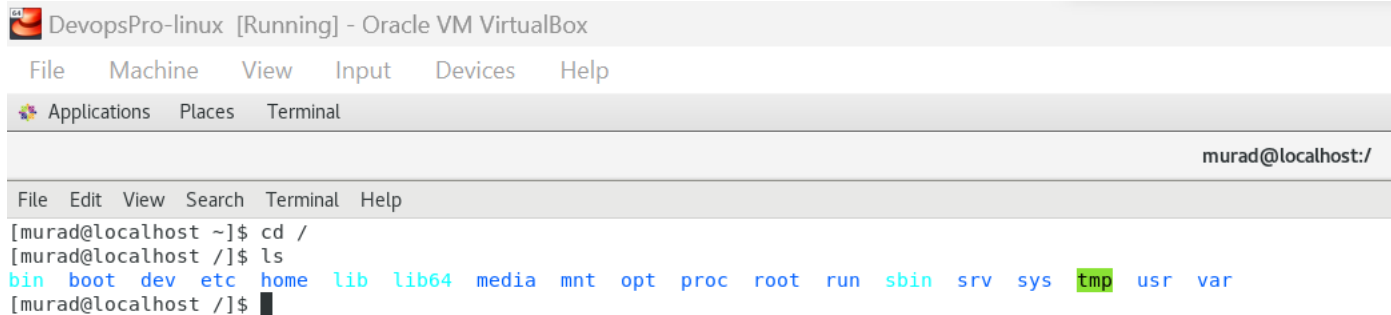


## Assignment-3

### Working with Directories

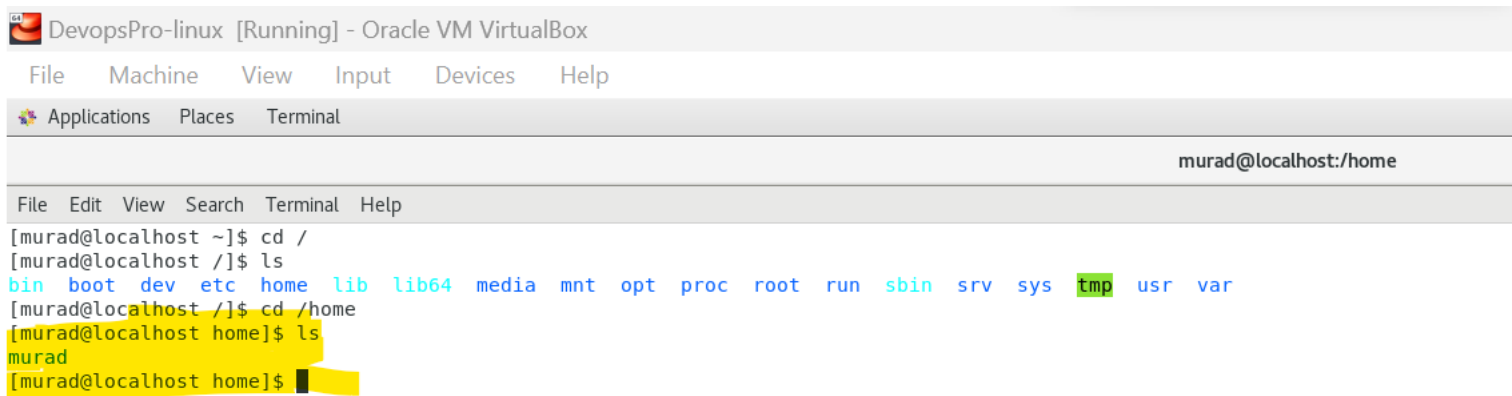
- Enter the command `cd /` and then `ls` and then hit Enter key
  - Take screenshot and explain what output we got?
  -



```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost:/
File Edit View Search Terminal Help
[murad@localhost ~]$ cd /
[murad@localhost /]$ ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
[murad@localhost /]$
```

Here we run the command and got few default directories which was created by linux itself. Each have specific reasons.

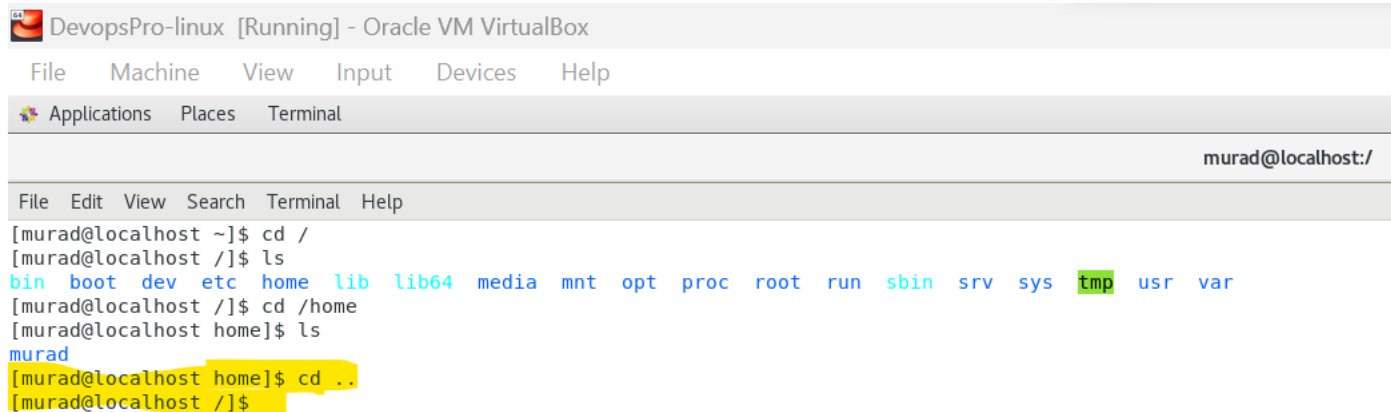
- Enter the command now `cd /home` and then hit Enter key
- Do `ls`, provide screenshot and explain what is `/home` directory used for?**



```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost:/home
File Edit View Search Terminal Help
[murad@localhost ~]$ cd /
[murad@localhost /]$ ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
[murad@localhost /]$ cd /home
[murad@localhost home]$ ls
murad
[murad@localhost home]$
```

Home directory is used for other users. We can find users in home directory. Whereas, for root users, root directory is a home directory for root users.

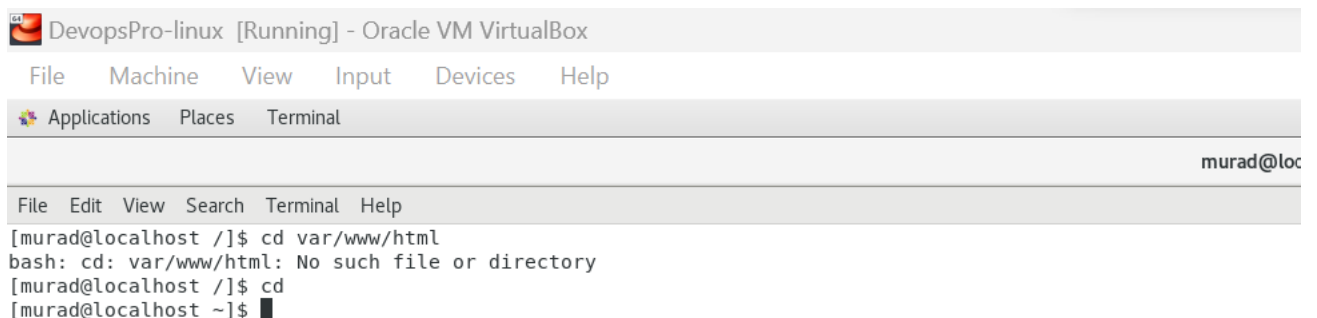
- Enter `cd ..` and hit Enter key [ Note: here we have space after cd then use double dot]
- Check what happen and give screenshot?



```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost:/
File Edit View Search Terminal Help
[murad@localhost ~]$ cd /
[murad@localhost /]$ ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
[murad@localhost /]$ cd /home
[murad@localhost home]$ ls
murad
[murad@localhost home]$ cd ..
[murad@localhost /]$
```

after giving command `cd ..` we moved to previous directory. It is used to go back to previous directory or file

- Now enter `cd /var/www/html` and then type `cd` and hit Enter key
- Explain what happen and give screenshot?



```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost:/
File Edit View Search Terminal Help
[murad@localhost /]$ cd var/www/html
bash: cd: var/www/html: No such file or directory
[murad@localhost /]$ cd
[murad@localhost ~]$
```

Here, there is no file showing as per the giving path because we haven't created yet. There is var file but there is no www and html file associated with that, with `cd` command we have changed the directory. If we notice there is tilde sign after localhost when we run the command `cd` so now we are in home directory or default directory.

```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost:/var

File Edit View Search Terminal Help
[murad@localhost /]$ ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
[murad@localhost /]$ cd var
[murad@localhost var]$ ls
account adm cache crash db empty games gopher kerberos lib local lock log mail nis opt preserve run
[murad@localhost var]$
```

Now type `cd /root` and then hit Enter key

Do `ls`, check any output we have on screen if yes then take screenshot?

```
DevopsPro-linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Applications Places Terminal
murad@localhost

File Edit View Search Terminal Help
[murad@localhost ~]$ cd /root
bash: cd: /root: Permission denied
[murad@localhost ~]$ sudo su
[sudo] password for murad:
Sorry, try again.
[sudo] password for murad:
'abrt-cli status' timed out
[root@localhost murad]# cd /root
[root@localhost ~]# ls
anaconda-ks.cfg initial-setup-ks.cfg
[root@localhost ~]#
```

First, we have to login with root user and then run the command. Other users don't have the permission, once logged in with root user, we got this output