

CAP:454 LINUX & SHELL SCRIPTING LABORATORY

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ROLL NO.: - RD2215B67

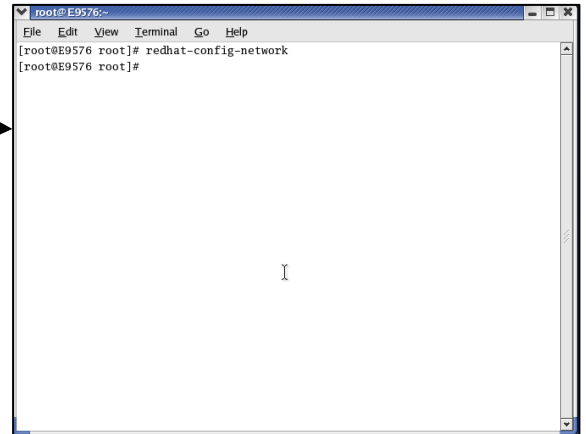
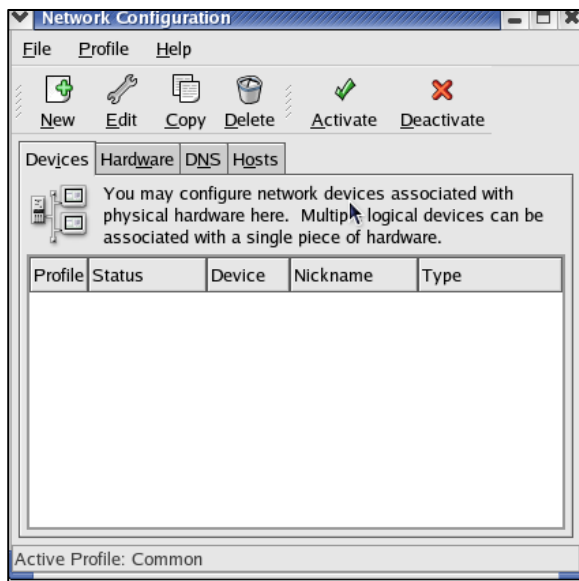
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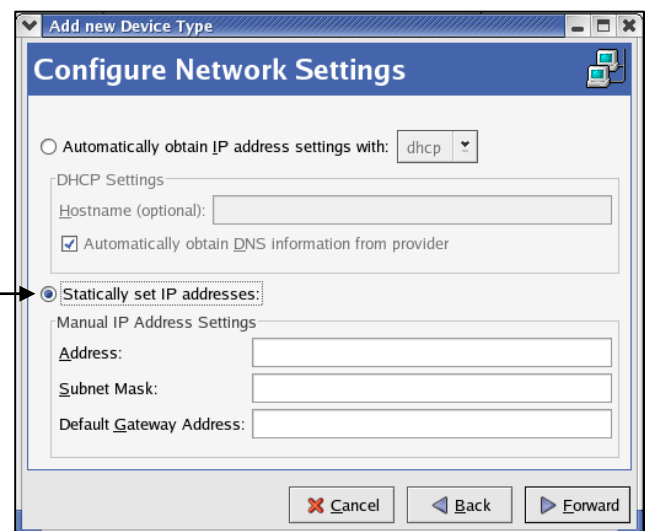
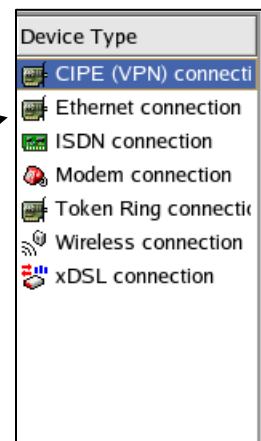
1. Config the static internet connecting and create a file where you have to write all the steps of implementation along with screenshots.

Process: -

- Open terminal.
- Type "redhat-config-network" →
- Then press enter key.
- Then a dialog box open.



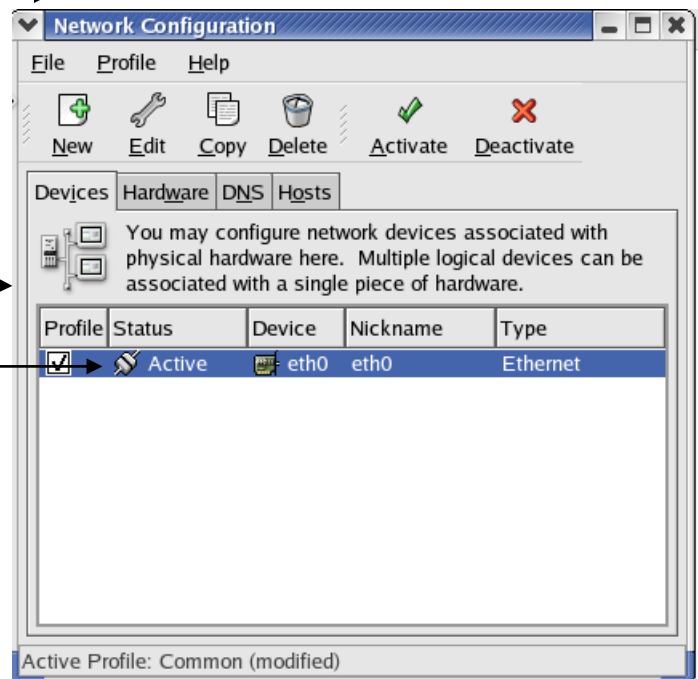
- Click on New option.
- Select Ethernet connection. →
- Click on Forward.
- Selected "AMD PCnet32(eth00).
- Click on Forward.
- Then a dialog box open.
- select "Statically set IP address." →



- ☞ Open window cmd command prompt.
- ☞ Type IPCONFIG.
- ☞ Then see IPADDRESS. →
- ☞ Type IP Address.
- ☞ Type Subnet Mask.
- ☞ Type Default Gateway.
- ☞ Click on Forward.
- ☞ Click on apply.
- ☞ Click on Activate. →
- ☞ Click on yes.
- ☞ Click on ok.
- ☞ Again click on ok.
- ☞ Net connect successfully. →

Wireless LAN adapter Wi-Fi:

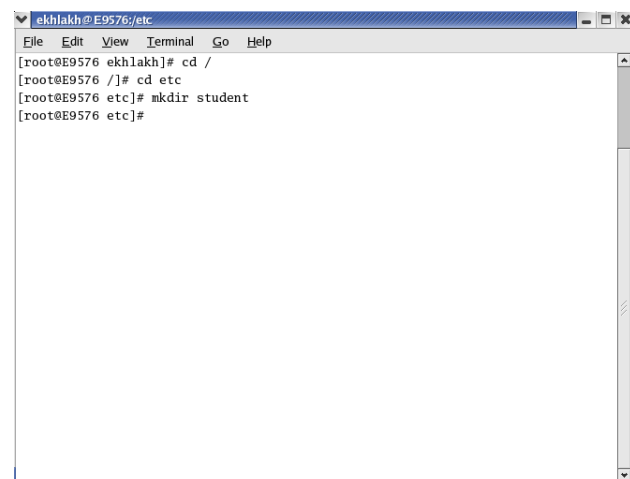
```
Connection-specific DNS Suffix  . : lpu.com
Link-local IPv6 Address . . . . . : fe80::40d0:6a85:fbfb:16ae%8
IPv4 Address. . . . . : 10.35.9.31
Subnet Mask . . . . . : 255.255.240.0
Default Gateway . . . . . : 10.35.0.1
```



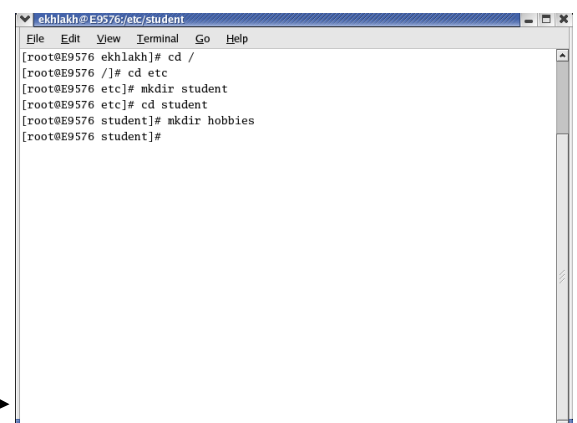
2. Create a directory with name student inside/etc. create two more directory with name hobbies and academy. Create one text file in hobbies directory using cat and another text file in academy using touch. At the end delete all directory & files.

Process: -

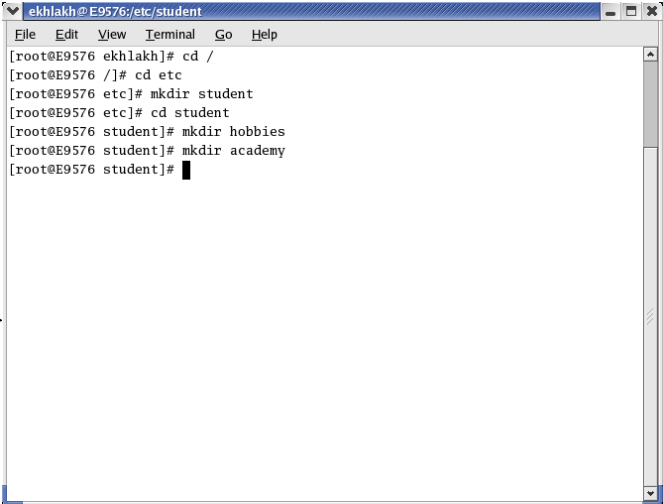
- ☞ Open terminal.
- ☞ Type su root.
- ☞ Then password.
- ☞ Type cd etc
- ☞ Type mkdir student. →
- ☞ Then press Enter key.



- ☞ Type cd Student.
- ☞ Type mkdir hobbies. →

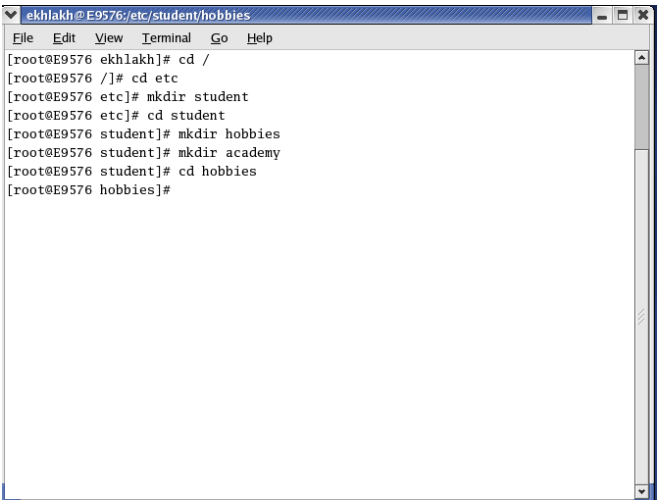


☞ Again type mkdir academy.

A terminal window titled 'ekhlakh@E9576/etc/student' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows the following commands and output:

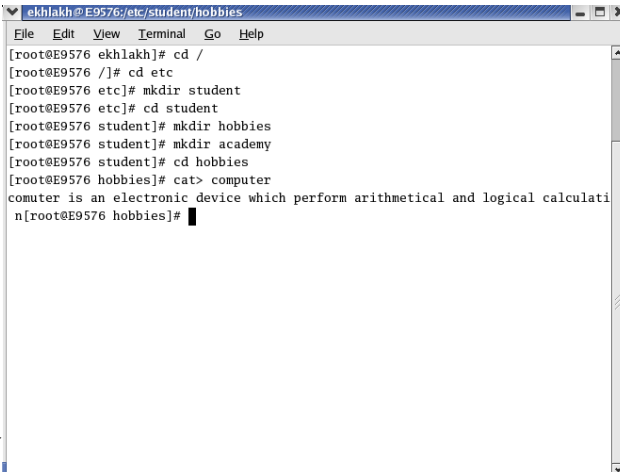
```
[root@E9576 ekhlakh]# cd /  
[root@E9576 /]# cd etc  
[root@E9576 etc]# mkdir student  
[root@E9576 etc]# cd student  
[root@E9576 student]# mkdir hobbies  
[root@E9576 student]# mkdir academy  
[root@E9576 student]#
```

☞ Type cd hobbies.

A terminal window titled 'ekhlakh@E9576/etc/student/hobbies' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows the following commands and output:

```
[root@E9576 ekhlakh]# cd /  
[root@E9576 /]# cd etc  
[root@E9576 etc]# mkdir student  
[root@E9576 etc]# cd student  
[root@E9576 student]# mkdir hobbies  
[root@E9576 student]# mkdir academy  
[root@E9576 student]# cd hobbies  
[root@E9576 hobbies]#
```

- ☞ Again type cat> computer
- ☞ And type your message.
- ☞ Press "Ctrl + D" key. (for save document).

A terminal window titled 'ekhlakh@E9576/etc/student/hobbies' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows the following commands and output:

```
[root@E9576 ekhlakh]# cd /  
[root@E9576 /]# cd etc  
[root@E9576 etc]# mkdir student  
[root@E9576 etc]# cd student  
[root@E9576 student]# mkdir hobbies  
[root@E9576 student]# mkdir academy  
[root@E9576 student]# cd hobbies  
[root@E9576 hobbies]# cat> computer  
computer is an electronic device which perform arithmetical and logical calculation  
[root@E9576 hobbies]#
```

- ☞ Click on cd ..
- ☞ Press enter key.

```
ekhlakh@E9576:/etc/student
File Edit View Terminal Go Help
[root@E9576 ekhlakh]# cd /
[root@E9576 /]# cd etc
[root@E9576 etc]# mkdir student
[root@E9576 etc]# cd student
[root@E9576 student]# mkdir hobbies
[root@E9576 student]# mkdir academy
[root@E9576 student]# cd hobbies
[root@E9576 hobbies]# cat> computer
computer is an electronic device which perform arithmetical and logical calculation
[root@E9576 hobbies]# cd ..
[root@E9576 student]#
```

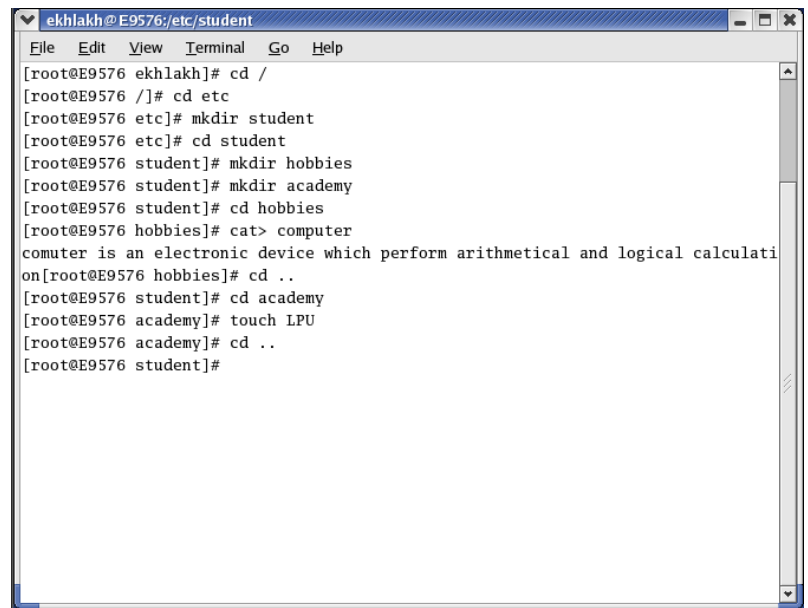
- ☞ Type cd academy

```
ekhlakh@E9576:/etc/student/academy
File Edit View Terminal Go Help
[root@E9576 ekhlakh]# cd /
[root@E9576 /]# cd etc
[root@E9576 etc]# mkdir student
[root@E9576 etc]# cd student
[root@E9576 student]# mkdir hobbies
[root@E9576 student]# mkdir academy
[root@E9576 student]# cd hobbies
[root@E9576 hobbies]# cat> computer
computer is an electronic device which perform arithmetical and logical calculation
[root@E9576 hobbies]# cd ..
[root@E9576 student]# cd academy
[root@E9576 academy]#
```

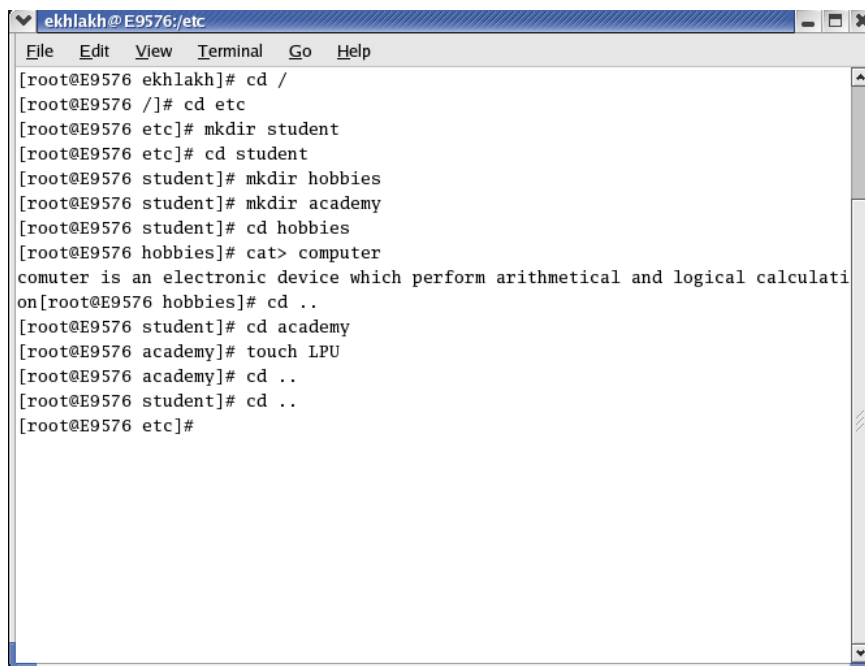
- ☞ Type touch LPU (LPU is file name).
- ☞ Click on Enter key.

```
ekhlakh@E9576:/etc/student/academy
File Edit View Terminal Go Help
[root@E9576 ekhlakh]# cd /
[root@E9576 /]# cd etc
[root@E9576 etc]# mkdir student
[root@E9576 etc]# cd student
[root@E9576 student]# mkdir hobbies
[root@E9576 student]# mkdir academy
[root@E9576 student]# cd hobbies
[root@E9576 hobbies]# cat> computer
computer is an electronic device which perform arithmetical and logical calculation
[root@E9576 hobbies]# cd ..
[root@E9576 student]# cd academy
[root@E9576 academy]# touch LPU
[root@E9576 academy]#
```

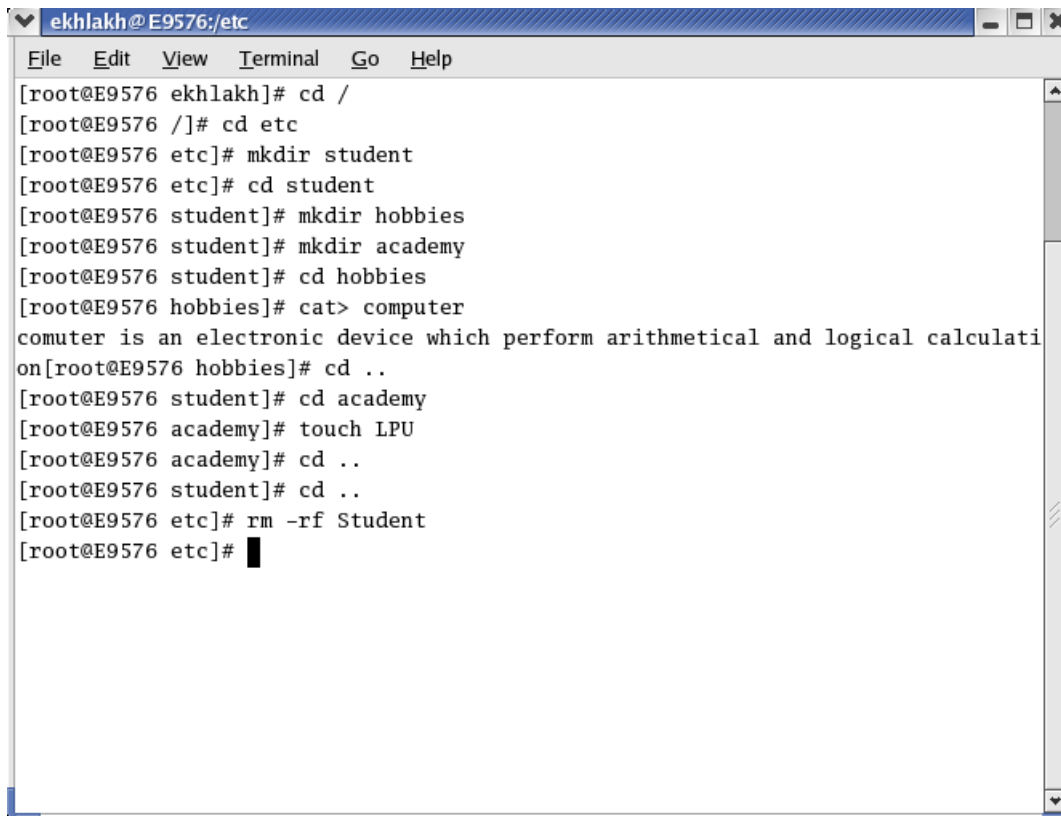
☞ Type `cd ..`. Press enter key. (for One step back).

A terminal window titled 'ekh lakh@E9576:/etc/student' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows a sequence of commands: `cd /`, `cd etc`, `mkdir student`, `cd student`, `mkdir hobbies`, `mkdir academy`, `cd hobbies`, `cat > computer`, and a multi-line text entry: `computer is an electronic device which perform arithmetical and logical calculation`. The prompt then changes to `ekh lakh@E9576 hobbies]#`, where `cd ..` is entered, moving the prompt to `ekh lakh@E9576 student]#`. From there, `cd academy` is entered, followed by `touch LPU`, and finally `cd ..`, which moves the prompt to `ekh lakh@E9576 academy]#`. The final command shown is `cd ..`, which would move the prompt to `ekh lakh@E9576 student]#`.

☞ Again type `cd ..` enter key. (for one step again back).

A terminal window titled 'ekh lakh@E9576:/etc' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows a sequence of commands: `cd /`, `cd etc`, `mkdir student`, `cd student`, `mkdir hobbies`, `mkdir academy`, `cd hobbies`, `cat > computer`, and a multi-line text entry: `computer is an electronic device which perform arithmetical and logical calculation`. The prompt then changes to `ekh lakh@E9576 hobbies]#`, where `cd ..` is entered, moving the prompt to `ekh lakh@E9576 student]#`. From there, `cd academy` is entered, followed by `touch LPU`, and finally `cd ..`, which moves the prompt to `ekh lakh@E9576 academy]#`. The final command shown is `cd ..`, which would move the prompt to `ekh lakh@E9576 student]#`.

☞ Type `rm -rf Student`. (for delete all file and directory).

A terminal window titled 'ekhlakh@E9576/etc' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows a sequence of commands and their outputs: navigating to root, then /etc, creating a 'student' directory, moving into it, creating 'hobbies' and 'academy' subdirectories, moving into 'hobbies', using 'cat' to create a file named 'computer' with the text 'comuter is an electronic device which perform arithmetical and logical calculati on', navigating back to 'student', then to 'academy', creating a file 'LPU' with 'touch', and finally deleting the entire 'Student' directory with 'rm -rf Student'.

```
ekhlakh@E9576/etc
File Edit View Terminal Go Help
[root@E9576 ekhlakh]# cd /
[root@E9576 /]# cd etc
[root@E9576 etc]# mkdir student
[root@E9576 etc]# cd student
[root@E9576 student]# mkdir hobbies
[root@E9576 student]# mkdir academy
[root@E9576 student]# cd hobbies
[root@E9576 hobbies]# cat> computer
comuter is an electronic device which perform arithmetical and logical calculati
on
[root@E9576 hobbies]# cd ..
[root@E9576 student]# cd academy
[root@E9576 academy]# touch LPU
[root@E9576 academy]# cd ..
[root@E9576 student]# cd ..
[root@E9576 etc]# rm -rf Student
[root@E9576 etc]#
```