Step1: Log In

Log in by entering your log-in name/password. In the menu on the lower-left, click

Step2: Create directories

1. Start a terminal window by clicking K → System → Console

1.Check your current location. What does it say?

Ans : pwd /home/rudra

2. If you are not in your home directory, change your current location to your home

directory.

Ans : cd .. or cd ~

3. List all files in your current location. How many files do you have?

Ans : ls -l

4. If you don't already have one, create a directory called “labs”, then cd to “labs”, and

create a directory called “linux\_lab”.

Ans : mkdir linux\_lab

5. Change directory to linux\_lab.

Ans : cd linux\_lab

6. Check your current location.

Ans : pwd

7. Create subdirectories called michigan, indiana, and ohio under this directory.

Ans : mkdir michigan

mkdir indiana

mkdir ohio

8. List all files in your current location and check that they should be 3 subdirectories.

Ans : ls -l

9. Now move to the michigan directory with the cd command.

Ans : cd michigam

10. Create 2 subdirectories called detroit and lansing.

Ans : mkdir detroit

mkdir lansing

11. Examine the differences between ls and ls –l. What does column 5 show ?

Ans : ls: shows all the files and directories.

ls -l: shows all the files and directories with long listing details format.

Column 5: shows the size of the file or the directory.

12. Move to the indiana subdirectory from michigan.

Ans : cd ..

cd indiana

13. Create other 2 subdirectories under Indiana : Indianapolis and tipton

Ans : mkdir Indianapolis

mkdir tipton

14. List all files, including hidden files. What is the .. file?

Ans : ls -a. “.. “ indicates hidden files

15. Move to the ohio subdirectory.

Ans : cd ..

cd ohio

16. Create other 2 subdirectories. What happens if you type cd ashland?

Ans : mkdir columbus

mkdir hippo

bash: cd: ashland: no such file or directory.

17. Create a text file

a) Type your name and your address.

b) Save the document and name it “address.txt” in your linux\_lab folder.

Ans: pico address.txt

name: rudra

address: bhagalpur

control+ x

y

18. Look at the contents of address.txt from the command line.

Ans : cat address.txt

19. Copy your “address.txt” file to the assigned subdirectories (lansing, indianapolis, and

columbus).

Ans : lansing: cp address.txt/home/rudra/labs/linux-lab/Michigan/lansing

Indianpolis: cp address.txt/home/rudra/labs/linux\_lab/Indiana/indianapolis

columbus: cp address.txt/home/rudra/labs/linux\_lab/ohio/columbus

20. Write down to revoke write and execute from the address file from everyone ?

Ans : chmod a-wx address.txt

21. Write down to grant all the permission to user for address file (Use Digits)

Ans : chmod 700 address.txt

22. Write down a command to give read permission to address file to a user “Kapoor” ?

Ans : setfacl -m u:Kapoor:r address.txt

23. Rename address.txt to mycurrentaddress.txt

Ans : mv address.txt mycurrentaddress.txt

24. use grep to print the city name complete line from mycurrentaddress.txt

Ans : grep -i “bhagalpur” mycurrentaddress.txt

25. Write the command to Install banner command ?

Ans : sudo apt install sysvbanner

--------------YAML & JSON -----------------

Create a YAML and JSON file for storing productdetails such as product, price, quantity, orderNumber .

1. OrderNumber will further divided into orderDate and OrderInvoiceValue.
2. product will be further divided into productName productDescription and productRating

Solution 1 (JSON):

{

"prooductDetails": {

"product": [

{

"productName": null

},

{

"productDescription": null

},

{

"productRating": null

}

],

"price": null,

"quantity": null,

"orderNumber": [

{

"orderDate": null

},

{

"orderInvoiceValue": null

}

]

}

}

Solution 2 (YAML):

prooductDetails:

product:

- productName:

- productDescription:

- productRating:

price:

quantity:

orderNumber:

- orderDate:

- orderInvoiceValue: