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/jagannath

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

directory.

Ans : cd ~

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

Ans : ls -l (Total - 12) or ls -la (Total - 20)

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 labs

cd labs

mkdir linux\_lab

5. Change directory to linux\_lab.

Ans : cd linux\_lab

6. Check your current location.

Ans : pwd

/home/jagannath/labs/linux\_lab

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

michigan indiana ohio

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

Ans : cd michigan

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 (names) where as ls -l gives the total and the list of files along with their details. Column 5 show the size of the file or 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 -la

.. file is a parent directory hidden file.

15. Move to the ohio subdirectory.

Ans : cd ..

cd ohio

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

Ans : mkdir abc

Mkdir xyz

If I type cd ashland it shows “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 : cd ..

pico

Name : Jagannath.

Address : INDIA.

Cityname : Hyderabad.

Ctrl+x

Y

address.txt

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 : cp address.txt ./michigan/lansing

cp address.txt ./Indiana/indianapolis

cp address.txt ./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 : sudo adduser Kapoor

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 “Cityname” 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):

{

"productDetails": {

"product": {

"productName": [

"asus",

"lenovo",

"hp"

],

"productDescription": [

"i5",

"i3",

"i5"

],

"productRating": [

5,

3,

5

]

},

"price": 40000,

"quantity": 200,

"orderNumber": {

"orderDate": [

"20-12-19",

"15-09-20"

],

"orderInvoiceValue": [

40000,

50000

]

}

}

}

Solution 2 (YAML):

---

productDetails:

product:

productName :

- asus

- lenovo

- hp

productDescription:

- i5

- i3

- i5

productRating:

- 5

- 3

- 5

price: 40000

quantity: 200

orderNumber:

orderDate:

- 20-12-19

- 15-09-20

orderInvoiceValue:

- 40000

- 50000

…