Practical 1 :

Create a new virtual machine :

Open the vmware

Click on the click new virtual machine

Choose typical and then Click on the next button

Then choose your iso file as required

Chose your guest operating system as required  
gave name to your virtual machine as required

Gave harddisk size as required

Then customize your settings by selecting the ram hardisk size and rom and whatever required

Then click fnish after setting it up

Now for clone :

Right click on the virtual machine

Click on the manage

Clcick on the clone

Click next

Then we have two option

Link clone [share the resources of base machine ]

and

Full clone [fully independent and copy of the base machine ]

Select as required and then click next

Name your clone as required then click finish

For OVF

Click on the file then ovf find and do …

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Questions :

VM? Vm is digital version of a physical computer

Vm station? It is used to run the virtual machine online

Linked Clone? Linked clone is the copy of the virtual machine and it shares virtual disk with its poarent

Full colne? It is the separate copy of the virtual machine

And it never shjare the virtual disk with its parent

Template? Template is the copy of a vm and it is used to clone the vm “

Ovf? Open Virtualization Format 🡪 this is OVF packages contain a series of uncompressed files that make it easier to access individual disk images in the file

Virtualization? 🡪 Virtualization is technology that you can use to create virtual representations of servers, storage, networks, and other physical machines

Cloud computing 🡪 Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user.

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Practical2 🡪 cloudsim

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For Download lpu live and then the links by the sir..

Setup 🡪

1)🡪 if you want different different datacenters and vms and al the diff things then use example 4

2)-> if the datacenter is same then use 🡪 example 2

//////////////////////////////////////////////////////////////////practical 3 -> //

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Docker 🡪

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Commands ->

1. docker pull

2. docker images

3. docker ps

4. docker ps -a

5. docker rm

6. docker rmi

7. docker commit

8. docker -ps

9. docker -p

10. docker --ps

11. docker stop

12. docker kill

13. docker rename

14. docker cp

15. docker exec

16. docker node

17. docker run

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All images link :

https://hub.docker.com/search?image\_filter=official&q=

command prompt par run karlena jo image bole vo

for docker par deklh lena update ho jayega

// Docker commands //

1. How to create a container from an image ?

And:- docker run -it -d <image name>

2. Show the commands how to list the running containers?

And:- docker ps

3. How to show all the running and exited containers?

And:- docker ps -a

4. Show the command how to access the running container?

And:- docker exec -it <container id> bash

(Note:- Container ID you will find after running the commands of Q3 and q4 above)

5. How to stops a running container?

And:- docker stop <container id>

6. How tocreates a new image of an edited container on the local system?

And:- docker commit <conatainer id> <username/imagename>

7.How to delete a stopped container?

And:- docker rm <container id>

8. How to delete an image from local storage?

And:- docker rmi <image-id>

(Note :- You will find the image id after running this commands docker images

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Practical 4-> HOL labs

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Link :🡪 <https://labs.hol.vmware.com/HOL/console/lab/HOL-2210-01-SDC-HOL/NEE-2534748902942284/vm-62305162>

Login id : anurag.12015856@lpu.in

Pass : An@250802

Pdf on :🡪 email

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