**Linux** :

1. Command for changing the permission and ownership of a file/directory?

Ans – For changing the permission chmod, while for ownership it’s chown

Ex - chmod 755 /home/ubuntu

chown redhat:redhat /home/ubuntu

1. Extend filesystem by 1 GB?

Ans - sudo resize2fs /dev/sda1 1GB

1. How do you enable debugging in the shell program?

Ans – bash -x script.sh

1. Command to find CPU, Memory, Swap utilizations ?

Ans - top

1. Command to find files older than x days and delete them

Ans – find / -type f -mtime x | xargs rm -rf

1. Command to list all “java” running process and kill them using a single command

Ans – pkill -f java

1. Command to create multiple(4) files and directories respectively

Ans - mkdir -p directory1 directory2 directory3 directory4 && touch file1 file2 file3 file4

**Ansible** :

1. To automatically run “setup” task to gather facts for hosts, include below in play –

gather\_facts:

Ans-

1. ignore\_errors: yes 🡪

Ans

1. ignore\_unreachable: yes 🡪
2. You can get all the facts by using this command:

Ans-

1. For how many seconds does the Ansible reboot module wait by default? Is there any way to increase the time?

Ans-

1. Do you know how to turn off the facts in Ansible?

Ans-

1. The Utility that allows users to see all the configuration settings available, their defaults, how to set them and where their current value comes from 🡪

Ans

1. Which has higher precedence? Environment variables or Entries in ansible’s?

Ans -

**Docker** :

1. Name the essential Docker commands and what they do.

Ans- docker images Check all the docker images on local machines

docker pull IMAGE\_NAME Download image from dockerhub to local

docker rmi image IMAGE\_NAME Remove the image

docker start / stop / rm / kill CONTAINER\_NAME Start / STOP / Remove / Kill the container

docker ps Check running container

1. How do you find stored Docker volumes?

Ans: docker volume ls

1. How do you run a docker image?

Ans- docker run IMAGE\_NAME

1. Command to stop container :

Ans- docker stop container\_name

1. List all the running containers :

Ans – docker ps -a

1. Can a container restart on its own?

And- Yes, we can specify the restart policy when running a container using --restart option  
docker run --restart=always IMAGE\_NAME

**Terraform**:

1. What are the most useful commands?

Ans- terraform init Initialise Terraform

terraform plan It scans tfstate file & it shows you what changes has been in it

terraform apply It applies the configuration mentioned in tf file

1. terraform -destroy plan 🡪

Ans- It will preview / show what configuration it’s going to destroy.

**Kubernetes** :

1. To list one or more Pods by name in your Kubernetes cluster:

Ans- kubectl get pods POD\_NAME

1. Stop a pod, use :

Ans- kubectl delete pod POD\_NAME

1. To change the default namespace for your kubectl you can use the following command:

Ans- kubectl config set-context --current --namespace=NEW\_NAMESPACE

1. To print a list of pods sorted by name, you run:

Ans – kubectl get pods –sort-by=.metadata.name

1. Start streaming the logs from pod <pod-name>. This is similar to the 'tail -f' Linux command :

Ans- kubectl logs -f POD\_NAME

1. In order to view all of the plugins that are available to kubectl, use below command:

Ans- kubectl plugin list