Jenkins

1) How do you upgrade Jenkins, tell me about steps and strategies (on Onprem machine) also on VM.
2) How do you take backups in Jenkins? what process you follow, if it is running on a server or VM and not on cloud also post backup how do you upgrade Jenkins.
3) Jenkins installations on Cloud and server(VM) ?
4) Jenkins plugins?
5) Tell me difference between declarative and scripted pipeline
6) write a groovy script showing different stages of pipeline, it should be prod kind of pipeline.
7) Explain about multibranch pipeline, when we are going to use it and what will be use use case and what we will achieve?
8) What are shared libraries and how we use them?

K8S

1) What is authentication and Authorization and how it happens in k8s cluster, explain it step by step.
2) Is it necessary to use openshift if we already have EKS and AKS.? difference between in details.
3) Tell me about operators and use case, how do we manage operators in openshift?
5) Explain me about container registry.
6) How our Kubernetes cluster authenticate with docker hub or other container registry, how will you manage password change for docker and manage secrets and make sure authentication does not fail, also maintaining creds as secure.
7) what are the errors you face during deployment with pod and containers, explain in details.
8) explain more about secret management securely and insecurely in k8s?
9) How would you troubleshoot an application failing to connect to a third-party service due to certificate issues?
10) How do you manage TLS certificates for apps in Kubernetes?
11) How do you know if a certificate used by your app has expired or is about to expire?
12) How is certificates managed in k8s, explain in details?
13) How do you update or rotate certificates for a Kubernetes-based app securely?
14) How does helm pull artifacts from nexus artifactory, how the authentication happens and how its pulls artifactory artifact and puts it in K8s cluster
15) Deployed an app in k8s cluster, how do you troubleshoot, give realtime issues what you have faced and why you faced those issues?
16) Explain about kubelet and what is the purpose of it in k8s?
17) Explain more about probes in Kubernetes, like startup, liveliness and readiness?
18) even if liveliness and rediness probes and startup probes shous healthy and if apps failed, what we should do?
What are CRD's and how do you manage and use it?

Terraform

1) I have a resource created and now i want to recreate that resource, how can i do it?
2) Tell me about Istio, how it is installed and managed in k8s.
3) Using Istio or in Istio how do you expose endpoints externally.

Shell

1) I want to install a package on Linux server, the Linux server is not exposed to public or bastion host or jump server, there is no NAT gateway, how do i install the package dynamically without s3, also with s3?

2) Count how many times each ip address is present in a file (ip's are given in either list, or array or dictionary).