1. CMD vs ENTRYPOINT in Dockerfile
2. ENV creates a layer or not
3. Size of Docker image where it stores and container filesystem
4. Limitations of Terraform
5. Types of LoadBalancers in AWS and Configuring them
6. How control plane components will be running
7. kubeadm cluster creation steps
8. HA K8s cluster and leader election
9.KUBECONFIG details
10. Practical diff between Public and Private Subnets
11. What happens when you delete api server pods
12. How to run java app as a service on system bootup
3. How to connect to an EC2 instance if we lose a pem key and how can we recover it
14. Ingress controller with LoadBalancer
15. CoreDNS in Kubernetes - usage and why
16. LoadBalancer Configuration
17. Diff between find and locate command
8. How to recover the tf state file if we lost it
19. AWS CNI and VPC for EKS20. Jenkins Multi-Node
21. Diff between ECS and EKS
22. Diff between Instance Storage and Add Storage in AWS
23. How control plane components are running in k8s and what happens if we delete those components and try to access api-server using kubectl
24. Details of Kubeconfig
25. Life Cycle dependencies in terraform
26. How ip addresses are allocated when AWS CNI and VPCs are used with K8s.
27. HTTP error codes and description.
28. terraform import command usage
29. How the backend is configured for terraform state files in HAL.
30. What happens when the terraform state file is lost and how can we recover it
31. What is a service monitor in prometheus.
32. What all modules used in python scripting
33. Firewall rules, routing, IP CIDR allocation, DNS, networking and security are all important in the cloud.
34. annotations in kubernetes
35. What are the diff ways to connect to the EKS cluster?
36. DNS record types and uses.
37. EKS upgrade steps in AWS and issues (HAL docs).
38. Terraform lifecycle.
39. Container lifecycle.
40. Pod Lifecycle.
41. Terraform commands.
42. Practical diff between Docker Swarm and K8s.
43. Diff between Stateful and Stateless firewalls.
44. how to implement CI/CD for diff env
45. Explain diff deployment strategies in K8s.
46. PV parameters - ReadWriteMany, ReadWriteOnce

47. Diff between On-Prem K8s vs EKS
48. how to know which traffic requests are legitimate or not.
47. How to avoid SQL injection.
48. Pending Pods and Node not ready state in K8s and Reasons
49. Priority Class, Taints and Tolerations, Affinity, QoS, Pod Disruption Budget in K8s
50. Can we configure a load balancer with multiple certificates?
51. Issues that you have faced in K8s.
52. What is load average in Linux. (top , uptime)
53. What is swap space in linux.
54. CICD basics to advanced (CICD Flow, types of pipelines, master slave config)
55. How to debug the REST API hit error (for example 404 or 503).

56. can we resize the EBS volume once we attach to the EC2 instance.
57. How to manage the VM if it is underperforming in K8s for maintenance.
58. What is the best possible way to avoid pod issues? like CICD, Automated way
59. How git stash and pop works.
60. How to bring on-prem instance to AWS using systems manager.
61. Explain about GitLab branching strategy
62. What is _name_ == _main_ in python
63. SAST and DAST tools used in pipeline?
64. How to give user permissions to create and read permissions for file but not delete permission
65. How to customize helm charts to deploy to multiple environments
66. Access Advisor in AWS?
67. UDP in docker
68. 3000 IOPS for instance
69. How to change the volume size of etcd in K8s without any downtime.
70. How a service/app in K8s interacts with S3 bucket in AWS
71. Do you same image across your deployment
72. What is the difference between * and ** in python?73. Difference between replicaset and deployment in K8s?
74. Difference between user and IAM user in AWS.
75. How to do differentiate between public and private subnets in AWS.
76. What are the services you have worked on in AWS.
77. What are the security features you have used in AWS.
78. What is the VPC endpoint?
79. How to do backup and restore in AWS for RDS with RTO.
80. What are read and write replicas in RDS and how do you configure a failover strategy for RDS.
81. Can we add launch config to the already existing ASG in AWS
82. What are the disadvantages of Docker containers?
83. What is Traffic Manager in Azure
84. What are AvailabilitySets in Azure
85. What is a stale branch in Git
86. How to create tags in Git

87. can we tag from multiple commit ids in Git.
88. What is the signed URL in AWS for S3 bucket.
89. How to monitor CPU and memory usage in Linux
90. What are symbolic links in Linux
91. What are the shell variables u have used in Shell Scripting
92. What is the private module registry in terraform and what is terraform cloud
93. Diff between replicaset and replication controller in K8s
94. What is a headless service in K8s
95. What is terraform refresh and terraform init commands
96. How to make containers to talk to each other by their name in a pod
97. Design Instagram architecture in AWS98. What is git bisect
99. What are the different types of EC2 instances and usage
100. How VPCs are monitored
101. What is cloudwatch and usage
102. How many subnets we can create within a VPC
103. What is a heapster and how it is running in K8s
104. What are webhooks in K8s
105. How one pod running in one K8s cluster can communicate with another pod running in another K8s cluster.
106. What are process states in Linux?
107. What are threads in Linux?
109. How to check process CPU and memory utilization in Linux
110. What is the significance of load average in Linux.
111. How to troubleshoot slowness of an application in Linux.
112. How to identify the last 10 ip addresses in a live log file in Linux.
113. How to claim 10GB of space if the log file is generated and if we don't want to delete that.
114. What is diff between declarative and Scripted pipeline in Jenkins
115. What are the diff types of EC2 instances and Use cases of each
116. What are the diff types of S3
117. How to manage certificates in AWS
118. What are the diff types of Load Balancers in AWS and difference between them
119. Explain the OSI (full form) layer
120. What are the different types of Load Balancing strategies
121. How to secure the Load balancer in AWS
122. How to check the route table in Linux.123. How to check the memory usage in Linux.
124. How to check the open connections in Linux.
125. How to check the open files in Linux.126. What is the difference between TCP and UDP.
127. What is the significance of TIME_WAIT and CLOSED_WAIT values when we netstat commands in Linux.
128. What is a swap space in Linux?
129. What is the port range in Linux that we can allocate and Why those numbers.130. What is an ephemeral port in Linux?
131. What is a dirty memory in Linux?132. How to resize the etcd volume size of PV in K8s.
133. Does the container restart itself?
134. What is a zombie process in Linux?
135. What are the two files that get modified when you create a user in Linux?

136. Where does the password get stored in hash form in Linux?
137. How do you upgrade packages in Linux?
138. What is the file location where the repository information is stored?
139. How to check the vulnerability packages in Linux on system level.
140. How to bring up EC2 instance or restart automatically (self-heal) in AWS
141. What is default file permission in Linux when a file gets created and how to modify it and What is the significance of umask 022
142. Why the file is not getting created still there is space in the mount point in Linux filesystem.
143. Where the log file gets generated in Linux.
144. What are the system calls you can make in Linux?
145. What are the instance families using the EKS cluster?
146. How many production clusters are there?
147. How many worker nodes are there in production env?