Kubernetes:

1. What is replication controller and ReplicaSet?

Ans: **Replication Controller Vs Replica Set:**

| **Replication Controller** | **Replica Set** |
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| The Replication Controller is the original form of replication in Kubernetes | ReplicaSets are a higher-level API that gives the ability to easily run multiple instances of a given pod |
| The Replication Controller uses **equality-based selectors** to manage the pods. | ReplicaSets Controller uses **set-based selectors** to manage the pods. |
| The rolling-update command works with Replication Controllers | The rolling-update command won’t work with ReplicaSets. |
| Replica Controller is deprecated and replaced by ReplicaSets. | Deployments are recommended over ReplicaSets. |

1. How many types of Services we have in Kubernetes, name them?
2. What is the difference between pod and container?
3. What is the difference between virtualization and Containerization?

Terraform:

1. What does the terraform init do?
2. What is the difference between plan and apply?
3. How do we secure terraform state file?
4. How do you define local variables in terraform?

Azure:

1. What is difference between api gateway and app gateway?
2. What is the difference between service endpoint, private end point and private link?
3. What are the storage types available in azure?
4. what is CDN why do we use that?

Pipelines:

1. what CI/CD pipelines you worked on, explain the stages Involved?

Docker:

1. what is docker prune?
2. Difference between docker add and copy?