1. How can you failover gracefully in AWS?
2. What is the use of Availability Zones in AWS?
3. Why AWS systems are built on “Design to Fail” approach?
4. What are the best practices to build a resilient system in AWS?
5. What are the tools in AWS that can be used for creating a system based on “Design to Fail” principle?
6. How can we build a Scalable system in AWS?
7. What are the advantages of messaging queues to decouple components?
8. How can we implement Message Queue based system in AWS?
9. What are the different ways to implement Elasticity in AWS?
10. What are the benefits of bootstrapping instances in AWS?
11. What are the best practices to Automate deployment in AWS?
12. How will you automate your software infrastructure in AWS?
13. What are the AWS specific techniques for parallelization of software work?
14. Why it is recommended to keep dynamic data closer to the compute and static data closer to the end user in Cloud computing?
15. What are the features in AWS for keeping static data closer to end user?
16. What are the best practices to ensure the security of an application in cloud?
17. Why encryption should be used in Amazon S3?
18. What are the best practices of Software Security in Cloud?
19. What is the difference between Stop and Terminate an Amazon EC2 instance?
20. What are the main uses of Amazon Elastic Compute Cloud (EC2)?
21. What is Auto-scaling? How does Auto-scaling work in AWS?
22. What automation tools can be used to create new servers in AWS?

23. How is Amazon Machine Image (AMI) and an Amazon Instance are related?
24. What key components of Amazon Web Service (AWS) do you use in your project?
25. Mention what is the relation between an instance and AMI?
26. Mention what are the security best practices for Amazon EC2?
27. What are the security aspects provided with cloud?
28. Explain the Difference between cloud and traditional datacenters?
29. How is a Spot instance different from an On-Demand instance or Reserved Instance?
30. I have some private servers on my premises, also I have distributed some of my workload on the public cloud, what is this architecture called?