

1. How we can make sure object is singleton while deserialize the object
2. How can we secure API using gateway design pattern?
3. How does Spring Security work?
4. What are intermediate and terminal operators?
5. What is Executor Framework, Completable future?
6. How to secure API?
7. Stream API advantage over regular
8. Lazy and eager evaluation explanation and Benefits of lazy evaluation
9. Microservices - How to communicate
10. Feign Client
11. Authentication in Feign Client
12. How to evaluate the token
13. Analyse and optimize the query for production
14. Convert number into Roman symbol - 435 Java code
15. Roman number conversion logic for 65 and 435 explanations Java code
16. Use Stream API to find 5th highest salary instead of SQL and SQL also
17. Connect two databases in Spring Boot - how to connect?
18. How to inject dependency for them
19. How to inject dependencies for two DBs
20. Determine which DB to call at runtime
21. Library used in project - How to include only selective classes
22. Microservices - What things are needed to build microservices architecture high-level
23. There are a lot of services then How to abstract them basically call required service
24. How do you implement a complex transaction scenario multiple services in Spring Boot?
25. What is Spring Security and how do you implement an authentication and authorization in your application?

26. How would you handle the memory leaks in your Java application?
27. Do you deploy the application manually GCP?
28. Steps to Deploy to the server application.
29. In your Spring Boot application, how to enable the HTTPS communication?
30. How we enable HTTPS
31. How you will make sure that your APIs are secured? What are the things that you will follow to make your APIs secured?
32. Write a query which will give me all the list of department names and the number of employees into the department.
33. What is API communication?
34. What is API Gateway?
35. What is gRPC?
36. What are REST communication alternatives?
37. What are examples of messaging services?
38. How to get asynchronous communication between 2 microservices and what is meaning of sync and async communication?
39. How to use FeignClient for async communication?
40. @Async is provided by Spring Boot or which framework?
41. Write a code to get the sum of all square numbers in a list skip first three even numbers - (1,2,2,5,7,8,9) using Java 8
42. What is List and ArrayList in Java and how size increase dynamically with diagram?
43. How to use ArrayList?
44. What is a dynamic array in Java?
45. How to convert an array into a List using utility methods?
46. What is the output of: `int a = 1; main() { syso(a / 0) }`
47. How to implement a Singleton class in Java

- 48. How can Singleton implementation break?
- 49. How to make Singleton thread-safe?
- 50. Why use method-level synchronization in Singleton?
- 51. What happens if another thread enters the synchronized method?