Interview Questions

1. What are the different Java features you have used
2. What are Stream and what are the advantages
3. What is Optional how it helps
4. What is the DateTime API, how it’s different from classic Data Time
5. What are projections in Spring Data
6. What is Spring integration and have you used it before
7. How to use spring integration for persisting data to 4 data stores
8. What is the Spring life cycle
9. Have you used elastic search - ELK stack
10. What are the steps to create Docker file
11. Do you have experience is using Kafka or other queuing infrastructure
12. What is difference between java 8 and java 7?
13. What is difference between java 7 Date apis and Java 8 Date apis?
14. What is method reference in Java 8?
15. Spring 2.0 uses which Spring version?
16. How can you disable autoconfiguration in spring boot?
17. If you want to exclude package from any jar how can you do that?
18. How to do datasource configuration in spring boot application?
19. Generally what properties we keep in parent pom and what in child pom?
20. What is Spring integration  and have you used it before?
21. Have you worked on Cassendra and kafka?
22. Have you worked on Spring cloud config?
23. How to avoid persisting value in database?  
    Pagination on list of movies based on rating
24. How do we configure multiple databases?
25. How to handle partial failure in multiple databases
26. What are the different way to externalize the properties?
27. What are java 8 feature you have used and how?
28. Have you used caching in your application and how?
29. What is offset
30. Suppose we have 2 kafka consumer in consumer group. How to configure them to listen same message?
31. Suppose i have 10000 file data to read and add into data. How will you retrieve file data and add into database
32. Does Spring JPA work without ORM?
33. What is publish subscribe pattern?
34. What is difference between map and flatmap?
35. What is NoSQL what are advantages over SQL database?
36. What if you want omit any property from Pojo while sending data back to FrontEnd?
37. What is the way if you don't want to save a property of a jpa entity in database?
38. What will you do if you want to save a transaction which will save data into two different database?
39. How can two microservices consume a same Kafka topic?
40. What if consumer with same group id trying to consume a same topic at a time?
41. How can externalize your spring properties?
42. Jenkins.. build process in ur project..
43. String concatenation
44. Out of Memory Exception and Heap Memory Exception
45. Exception handling
46. Finally block
47. Spring Boot Annotation
48. Database connectivity in Spring
49. Exception handling in Spring boot

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TOPICS:

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| **Sr.No** | **Topics** | **Points to be covered** |
| 1 | Core Java | a. OOPS Concepts b. Collection Framework |
| 2 | Java 8 | a. Lambda b. Streams c. Basics of functional programming |
| 3 | REST Web Services | a. Basics b. Swagger c. Technologies |
| 4 | Kafka | a. Kafka Basics b. Integration of Kafka with Spring boot. c. Async communication using Kafka |
| 5 | Database | 1. SQL 2. NoSQL |
| 6 | ORM Tool | a. Hibernate & Spring Data |
| 7 | Junits | a. JUnit with Mockito b. JUnit coverage from SONAR |
| 8 | Docker overview | Basic understanding of docker for containerization |
| 9 | Overview of Jenkins and CI | a. Basic Devops b. Jenkins c. Maven d. Gradle |
| 10 | Spring Integration Framework | Fundamentals and basic understanding. |