**Set 1**

1) Introduction  
2) what is the use of Redis and where you have used it  
3) Eviction in redis   
3) What kind of data stored in redis  
4) What is use of kafka and where you have used it  
5) How to handle transaction using kafka  
6) What is saga design pattern  
7) how to retry transaction in saga design pattern  
8) What thing have to consider while creating the kafka topic  
9) what will happen in having 2 partition and 3 consumers or vice versa  
10) \*\*Description:\*\* Given an array of integers, return the indices of the two numbers such that they add up to a specific target.  
\*\*Sample Test Cases:\*\*  
- Input: nums = [2, 7, 11, 15], target = 9 → Output: [0, 1]  
- Input: nums = [3, 2, 4], target = 6 → Output: [1, 2]  
11) How will you resolve the the issues that captured by sonar before code move to production  
12) As i have worked on JSP & Servlet, which webserver is used to deploy to production

**Set 2**

Customer asked questions  
  
1.Find duplicate number from linked list  
2.What is an asynchronous transaction  
3.How does ExecutorService work in Spring    
4.How do you handle exceptions in nested transactions    
5.What are transactions and their propagation levels in Spring  
6.Where have you used Resilience4j in your application

**Set 3**

1. Introduction.
2. Discuss about module that you worked in your recent project.
3. What are the technology stacks you have used in your recent project?
4. What are the microservices you use it in your project and how you were communicating between them?
5. What are the total no of systems that you were communicating in your project and how?
6. How multiple consumers will read from topic considering only 1 producer?
7. How you will ensure that message has been delivered successfully in kafka?
8. Write down query for sorting.
9. Insert data using select query.
10. Different features of JAVA17 different from JAVA8
11. When to use SQL and When to use NOSQL?

**Set 4**

Here are questions they asked:

1. How would you remove duplicates from a list?
2. Can you describe a scenario where you utilized the ELK Stack?
3. Could you explain the concept of ExecutorService in Spring Boot?
4. What are the key differences between SOAP and REST?
5. How would you rate your expertise in CI/CD pipelines on a scale of 1 to 5?
6. Have you worked with Single Sign-On (SSO) before?
7. Do you have experience with NoSQL databases?
8. In which situations would you prefer using JPA over native queries?
9. What method or tool do you use for handling asynchronous calls?

**Set 5**

1. Can you describe your most recent project, including the technology stack used and your specific role and responsibilities within the project?
2. \*\*Description: \*\* Given a collection of intervals, merge all overlapping intervals. (Time : 10 min)  
   \*\*Sample Test Cases:\*\*  
   - Input: intervals = [[1,3],[2,6],[8,10],[15,18]] → Output: [[1,6],[8,10],[15,18]]  
   - Input: intervals = [[1,4],[4,5]] → Output: [[1,5]]
3. Have you worked on implementing SSO user authentication? If yes, how did you implement it? (I haven't worked on SSO but have
4. Experience with OAuth and explained the same with JWT Token implementation).
5. Do you have any experience with messaging queues like Kafka, ActiveMQ, or RabbitMQ? (Explained high-level working of Kafka)
6. If a JDBC connection can be made directly from the frontend, why do we need API calls or backend services? (Hint: Loose coupling).
7. When APIs face heavy load, what strategies can be used to improve their performance?
8. You’ve worked with Oracle; are you familiar with any other databases? Do you have any document based database experience?
9. How would you handle a heavy payload, such as uploading large data or files, via an API?

**Set 6**

1. Can you describe your most recent project, including the technology stack used and your specific role and responsibilities within the project?
2. How would you remove duplicates from a list?
3. what is difference between monolithic and microservice ?
4. why do you prefer to migrate as microservice ?
5. where you use the Thymeleaf in your project?
6. what is difference between spring and spring boot ?
7. have you worked on latest java versions?
8. Do you have experience with NoSQL databases?
9. what are the monitoring tools on which you worked ?
10. Do you have any experience with messaging queues like Kafka ?
11. explain CI/CD pipelines end to end ?

**Set 7**

1. Introduce yourself and project you worked on, what technologies and DB i used ?  
2. What is time complexity of the a binary Tree ?  
3. what is AWS event bridge , DynamoDB and global index ?  
4. How you are doing deployment in project, tool and tech you used ?  
5. Question on Groovy scripts ?  
6. when to use lambda and Ec2 ?  
7. how to remove duplicate from sorted list.  
8. what is left join ?  
9. time complexity of priority queue.  
10. if we import same package and class multiple times how JVM loads it ?  
11. what is garbage collector and its types and working algo ?  
12. what is load factor and Hash Collison , how to resolve.  
13. What is the CORS issue in spring boot and how to resolve ?  
14. what happened when tree become unbalanced and what about is complexity ?  
15. Question on Hash Tree DS.  
16. Java Design patterns?  
17. Questions of singleton DP , how to make thread safe and different ways to break it ?

18. What Data Structure you majorly used ?