Oracle Interview Experience - Senior Java Developer

Round 1 ~ 50 mins

Intro
current project details
what is the recent work you've done
How is mongodb different from sql
When do you use sql and nosql
OOPs concepts in Java
Internal working of HashMaps
Equals and HashCode
Put and Patch method in Rest API
What is Idempotent method in Rest
Examples for Idempotent
Status Codes in Rest
Difference between authentication and authorisation
Recent challenge you've faced

Hackerrank codepair - approach, code, time complexity

1. https://lnkd.in/gC7cZMEZ
2. https://lnkd.in/guUQ9tk4

Round 2 ~ 60 mins

Intro
what is your recent project
what are the challenges you've faced
synchronized method vs synchronized block
what is singleton class
How can we implement singleton class
what is immutable class
Why string is immutable
Can you write multithreaded program on IDE
Using Java 8 for multithreaded program using Runnable
Print 2 threads running with each thread printing different output
notify notifyall methods

Collections framework in Java
Difference between ArrayList and LinkedList
When do we use ArrayList and LinkedList
Hashcode and equals method contract
HashMap vs ConcurrentHashMap
Why do we use ConcurrentHashMap
Internals of ConcurrentHashMap
Explain about SQL joins - various types of Joins

Hackerrank CodePair

1. Implementation question - given 2 classes and 2 methods to complete based on Story
2. Implementation question - based on Java thread and synchronisation bank atm deposit and withdraw, getBalance methods - create classes from scratch Account, Transaction and methods inside
3. Given story based coding question - after complete story it becomes similar to https://lnkd.in/gCTJAtcE

Round 3 ~ 35 mins

Intro
What project are you working on currently
How long have you been in this project
Tell me about your project and your role
what other technologies apart from your project
What do you understand about Generative AI
Did you face any performance issues of your project
How did you find what is causing the issue