What are the key features introduced in Java 8?

(They wanted real-time usage, not just theory.)

2. What is the difference between map() and flatMap() in Java 8 Streams?

(Simple examples helped me here.)

3. What’s the difference between Comparable and Comparator in Java?

(Don’t just say it — explain with sorting logic.)

4. What is a static keyword and where would you use it?

(Yes, they asked this! Keep it short and clear.)

5. How do you secure microservices in your architecture?

(They expected JWT, Gateway, and real use cases.)

6. If MS2 depends on MS1, and MS1 is down, how will you handle that?

(Think circuit breakers, retries, fallbacks.)

7. What is load balancing and how does it work with multiple instances?

(Kubernetes, API Gateway, Spring LoadBalancer — be practical.)

8. What is a CROSS JOIN in SQL and where would you use it?

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Coding Question —

***Java 8 Stream Puzzle: Find the 2nd Highest Salary***

***You’re given this list of salaries:***

***List<Integer> salaries = Arrays.asList(5000, 8000, 6000, 8000, 9000, 9000, 10000);***

***How would you leverage Java 8 Streams to compute the second highest distinct salary?***