Java:

* resource cleanup and rethrowing snarios correctly
* All in a, not in b - able to write code and solve sorted and non sorted cases correctly.. gave complexity
* dedupe files - came very close to ideal solution, was able to correctly identify how to reduce scope of comaprions and do them efficiently
* Dedupe files - able to give a solution of grouping files by size, time, typ to reduce the number of compariso  -actual file comparison by giving code
* File chunks ordering - to propose a solution of recieving chunks out of order and then writing them in order in the file system merging as needed to give optimized solution to reduce i/o
* Rate limiter - solve the problem through counter and reset along with multithreading intricacies-stateful solution to hold counts but it should be optimal
* Pivot report - able to give sql with subquery but struggled in some syntax

* ·       xception handling scenario based
* ·       Filewriter object handling if exception is thrown
* How to handle when constructor throws exception
* ·       Fetch highest 10 and lowest 10 from  the array of billion integers
* ·       Find the number of phrases from the book..
* ·       Better data structure than hashmap which has same time complexity but better space complexity than hasinglshmap...

·       Query to find no of male and females joined in particular year from employees table

Scenario based questions on Exception handling, try catch, finally block, finalize method.

Multithreading. For example: thread1 will print all numbers from 1 to 100 and thread2 will print 1 number less than numbers printed by thread1 from 1 to 100.

Questions on design patterns such as Singleton and factory design pattern and many follow up questions on that.

Questions on reflection api.

Spring bean life cycle. And many other concepts of core java and spring.

Problem solving:

For example:

1. Equilibrium index of an array

2. Find all elements from first list which is not present in 2nd list.

 More focus to Time and space complexity.

* •        Complexity of algorithm
* •        Time complexity of Sorting Algo
* •        Best and worst case quick sort
* •        Storing Device –to remove duplicate files – different names but same content

DBMS:

* Given input table you need to form sql query for the given output table.
* Mostly queries was based on JOINS, GROUP BY, some sql functions etc.

optimal collections for trading data

* Top N problem sorting algorithm give solution in time complexity of N2 with Optimization
* Inheritable Singleton
* time complexity n2
* enterprice scale database, txn management.
* write the Group by and inner query.
* enqueue and dequeue operations