**1st round: Java Programs**

1. Compute the sum of digits of the number 12345 i.e 1+2+3+4+5=15 RECURSIVELY
2. Array has 1000 elements between 1-9. Count the occurrence of each digit in the array. Try not using Collection APIs
3. Given an array consisting of +ve and –ve integers, find 2 numbers whose sum is closest to 0

**2nd Round:**

1. Review of the programs and explain as to why our method is best or give a better optimal solution
2. There are 2 Singly Linked List, at some node both of them merge to form a single list. Find that node.
3. Explain some sorting techniques with their complexity. Which one is the best?
4. How to find the minimum element in an array without sorting?
5. Given a file having 100 elements in random order. Sort them with the memory constraint that at a time only 10 elements can be stored in the memory.

**3rd Round:**

1. Sql queries to remove duplicates from the table.
2. Some join queries on two tables
3. There’s an airplane, you are given some parameters like height, width etc you have to find its weight without using the weighing machine .
4. There’s a clock which gets delayed by 5 mins/day. You go out for 2 months and when you come back, then find the total delay in time by looking at the clock

**4th Round**

1. Questions on UNIX commands
2. Questions on scripting ie. How to pass parameters to the script. How to check the values of the parameters and how many parameters are passed to the script and some commands to traverse within the file
3. Questions on JOINS and subqueries
4. Project related questions

**5th Round**

1. Given an array consisting of +ve and –ve elements find the subarray having the maximum sum
2. Given an array consisting of +ve and –ve elements find the 2 numbers whose sum is 0

(For the above questions he was expecting the best optimal solutions with minimum time complexity)

1. Questions on the technologies you’ve worked.

**6th Round**

Final Managerial round wherein the Manager went through the resume and reviewed on the projects you’ve worked and how different the Risk Area would be since its not on Java and whether I would be able to adapt to it successfully and all..