

Cvent

Round 1 - Aptitude test

The questions in this round were easy. Just practice the questions from geeksforgeeks and Indiabix.

We were called to the Gurugram office for the remaining rounds.

Round 2 - Online coding

Only one question was given to implement on some online IDE and pass all the test cases.

Q. - Given a paragraph with non-uniform whitespaces and full-stops, count the number of words in the paragraph.

Round 3 - Technical Interview

First, the introduction, projects, things from resume.

Then the following questions -

Q.1. Print a given matrix in spiral form. (<https://www.geeksforgeeks.org/print-a-given-matrix-in-spiral-form/>)

Q.2. Check if the given linked list is sorted using recursion.

Then, some questions related to C# as I told him that I knew C#.

In the end, he asked me to write some SQL queries. (Do prepare SQL queries, indexing, normalization, etc. from DBMS)

IVP (Indus Valley Partners)

Round 1 - Aptitude test

Round 2 - Paper coding

Only 1 question to solve in 30 min duration.

Q. - Check whether the given number is Armstrong number or not.

Round 3 - Technical Interview

The same "Introduce yourself, projects, etc."

Then, the questions related to OOPS concept (Also prepare real life examples of Data Abstraction, polymorphism, etc.),

DBMS related questions, sql queries.

Some puzzles like -

1. Given 2 ropes that burn in exactly 30 min each, you have to time exactly 45 min using those two.
2. Number of squares in a chess board.
3. Fastest 3 horse puzzle (<http://puzzles.nigelcoldwell.co.uk/fiftynine.htm>)

Zillious

Round 1 - Aptitude test

We were called to the Zillious office for the remaining rounds.

Round 2 - Written coding

Q.1. Search an element in sorted and rotated array (<https://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array>)

Q.2. I don't remember the second question clearly but it was somewhat related to stack.
(Infix/Postfix expression)

Round 3 - Technical Interview

Same introduction, projects, etc.

He, then, asked me to write the implementations of some problems -

Q.1. Replace the numbers in the array with their next maximum element.

For Example - 5,7,4,9,1,8 -> 7,9,9,9,8,8

Q.2. Intersection point of 2 linked lists. (<https://www.geeksforgeeks.org/write-a-function-to-get-the-intersection-point-of-two-linked-lists>)

Q.3. Given an array containing the stock market shares' prices. You have to tell when you should buy or sell the shares.

I don't remember other questions he asked. Those were related to arrays.

Round 4 - Technical Interview

Q.1. Given, three unsorted arrays and a number, k, find the triplets so that the sum of those triplets should be equal to k.

Asked me to give the optimized solution.

Q.2. Reverse a linked list using only one pointer.

Q.3. Rectangle puzzle (<https://puzzling.stackexchange.com/questions/2230/divide-a-rectangle-with-a-rectangular-hole-into-two-equal-parts>)

ION Group

Round 1 - Aptitude test

We were called to the Noida office for the remaining rounds.

Round 2 - Group Activity

This was the fun round. The students were divided into groups and were given some rope to perform the group activity.

The tasks were pretty simple like making different shapes with the rope in different style like blind-folding some people in the group. The main point of that activity to check the team work and co-ordination.

Round 3 - Written test

We were given some data interpretation questions to solve in 30 minutes.

We were also given some log related query to analyze on the computer.

A log file was given and some question related to the file such as find the details of some particular id was asked.

Round 4 - Interview round 1

Introduction, projects, some real-time work related questions.

Puzzles -

1. A was changing his punctured tire. During which, all the 4 bolts of the tire fell into the sewer accidentally. There was nobody around, no shops or whatsoever. So he thought and thought and thought for some time and did something so that he was able to sit in his car and drove off.

2. Some shape related puzzle.

Round 5 - Interview round 2

Basic HR questions.

Nagarro

Round 1 - Aptitude test

The questions in this round are completely different from the questions in the same round of other companies.

The questions are basically from class 10th Maths so do practice them.

Round 2 - Paper coding

I was given the following questions to solve in 1.5 hours (Don't remember the exact time duration)

Q1. Given two operators, + and *, you have to evaluate the infix expression.

Example :

Input : $2 + 3 * 4 + 1 + 3 * 5$ (string)

Output : 30 $[2 + (3*4) + 1 + (3*5)]$

Q2. Given an array of integers, find a index where array can be partitioned so that the absolute difference between the absolute sum of two sub-arrays is maximum.

(If there are more than one maximum sum, return the smallest index between them.)

Example :

Input : [3, -1, 5, -3, -2, 6, 1, -4]

Output : 2 (Maximum sum is 5) $(3-2 = 1 \mid 2-3 = 1 \mid 7-2 = 5 \mid 4-1 = 3 \mid 2-3 = 1 \mid 8-3 = 5 \mid 9-4 = 5)$

Q3. Given an array of positive numbers and a Number N. Find all the sets of numbers whose sum become equal to N.

Example :

Input : [12, 13, 5, 8, 7, 10, 6, 1, 2, 4] and N=11

Output : [8, 1, 2], [7, 4], [10, 1], [6, 1, 4]

Round 3 - Technical Interview

Firstly, the interviewer asked me to tell him about myself. Then, asked me about the projects I mentioned in my resume.

After that, was asked to explain the approaches of all the questions of Round 2 and then, asked me the following question.

Q. - Implement a function which always returns the minimum element in the stack.

Round 4 - HR

Typical HR questions.

Just remain calm and answer the questions very clearly.