

Placement Experience with Zopsmart

Interviewee 1:

- **1st Round - online test**

45 MCQ's was there (based on oops,os,dbms,sql,aptitude)

Technical Round 1:

It was 35 min round.

He starts with a graph, working of (DFS), and time complexity.

Then he had given one problem: -

Count all palindromic substrings of string that contain exactly two unique characters(it is a hard level question based on DP I had told the approach, then he asked to code on the editor)

Technical Round 2:

It was 1 HR round.

He had asked approx 25 to 30 ques related to core subject(os,c++,java,ds)

DSA: - working of merge sort, binary search, linear search, Theory ques related to a linked list, array, stack, queue, stack overflow condition, asked about time and space complexity, and different notation

OS: - Virtual memory, segmentation, paging, primary memory, secondary memory Zombie Process, process, thread, multiprocessing, multitasking, stack, heap

Oops:- all oops concept, access specifier, how we can achieve abstraction, how we can write the body of function inside the interface.

Typecasting, upcasting, downcasting, autoboxing, ask about the creation of the object, exception handling, try, catch, finally.

At last, he moved to coding part;

1st coding question

Given a string of vector i had to print a pattern

Example

Vector contain :-["shivam" "kumar" "jha"]

The output should be like this.

```
s    k    j
h    u    h
i    m    a
```

v a
a r
m

2nd coding question

<https://www.geeksforgeeks.org/next-greater-element/>

MCA Bot+