

## AMAZON-

### **a) Written test--**

Questions of C,DS,Aptitude,OS....

Two code to write about --

- 1) sum of longest increasing subsequence (consecutive)
- 2) Print matrix helically .

### **b) First coding round --**

- 1) make a doubly link list of tree in spiral manner (no extra space).
- 2) To populate the tree nodes with there corresponding inorder successor( no extra field in node other than data,left,right,insucc).

### **c)Second coding round --**

- 1) To give subarray whose sum is max (and return sum also ) of a given array(may contain -ve or +ve elements).
- 2) To calculate vertical sum of tree for each level and create an doubly link list of those value (ans should be memory efficient and handle all test case).

### **d)First Interview --**

- 1) To find the median of an unsorted array in O(n) time.
- 2) Consider there is a coming stream of numbers and at any instant we need to find the the median of present numbers.Suggest a data structures and the you use it to efficiently get the median.
- 3) Consider a property such that parent value =left + right child value in a tree .So for a any given tree find out whether the property satisfies if not ,make adjustment to satisfy that property else return true.
- 4) Producer Consumer problem.

### **e) Second Interview --**

- 1) write a code for ftoa(float f) ,taking care of all test cases (precision,sign and other....).

## ORACLE-

### **a)Written round --**

Questions of aptitude,C,DS(tree), DBMS,basic software enggineering concepts,reasoning and all.

### **b) First coding round --**

- 1) To write a code to reverse word by word of a string.
- 2) To print a pattern -  
1  
1 2  
1 2 3  
...  
3) There are 3 red and 3 white balls in a box .WAP to get arrangement RRRWWW .

**c) First interview --**

- 1) Ask to explain above programs.
- 2) About Copy constructor and Operator =.
- 3) Reversal of link list.
- 4) Deletion of a node from link list.
- 5) To write a sql query to get 1<sup>st</sup> and 2<sup>nd</sup> max salary of given table of employees.

**d) Second Interview --**

- 1) Again ask to give explanation of above programs.
- 2) To write above pattern one using recursion.
- 3) Advantages and Disadvantages of recursion.
- 4) Difference between array and link list.
- 5) Storage specifiers and their concepts.
- 6) What is RDMS?
- 7) What do you know about oracle?
- 8) Some General HR questions.

**e) Third Interview --**

- 1) Asked About Project and what was your role in it.
- 2) Two Advantages and Disadvantages of pointers.
- 3) Write infinite for loop.
- 4) How to predict on which address segmentation fault occurs if we increase a pointer in an infinite loop?
- 5) Some HR question like strength, weaknesses, where do you see yourself after five years, What product you suggest for social cause using technology (irrespective of profit), what product you want to make if you all power and resources which can give company a huge profit?

**f) Final Interview --**

Total HR...