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**Interview Experiences** 

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# Zoho Interview Experience | Set 21 (On-Campus)

**Question 1 :** Write a program to determine whether a given number can be expressed as sum of two prime numbers or not.

For example 34 can be expressed as sum of two prime numbers but 23 cannot be.

**Question 2**: Take a 2 or 3 digit input number, reverse it and add it to the original number until the obtained number is a palindrome or 5 iterations are completed.

Input : n = 32

Output: 55

23 + 32 = 55 which is a palindrome.

Input: 39 Output: 363 SAP Labs

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### Company-wise Coding Problems

#### Amazon

k largest elements

Reverse a Linked List in groups of given size

Implement a stack with push(), pop() and min() in O(1) time

Add two numbers represented by linked lists

Level Order traversal

**Amazon Practice Problems** 

Microsoft

Key Pair

Is Binary Number Multiple of 3

**Question 3 :** Given a string, reverse only vowels in it; leaving rest of the string as it is.

Input : abcdef
Output : ebcdaf

**Question 4 :** Write a program to check if the given words are present in matrix given below. The words can be left to right, top to bottom and the diagonals (in top to bottom direction)

Р	W	K	С	Т
В	0	F	Α	L
0	0	E	R	M
х	L	A	Т	E
A	С	0	Т	N

Example: BOX: (1,0)(2,0)(3,0)

**FOX: Not Found** 

Search For Following Words: POET, WOOL, MOUSE,

CAMP, ROAM

**Question 5 :** Write a program to form lines using given set of words. The line formation should follow below rules.

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Remove every k'th node
Microsoft Practice Problems
Adobe
Search in a Rotated Array
Subset Sum Problem
Sort an array of 0s, 1s and 2s
Reverse words in a given string
Right View of Binary Tree
Adobe Practice Problems
Oracle
0 - 1 Knapsack Problem
Search in a matrix
Implement Queue using Linked List
Implement Stack using Queues
Remove duplicate element from sorted Linked List
Oracle Practice Problems
Ola Cabs

- i) Total characters in a single line excluding the space between the words and the favorite character should not exceed the given number.
- ii) Favorite character is case insensitive.
- iii) Words should not be broken up. Complete words alone should be used in a single line. A word should be used in one line only.

Input : Max char per line = 10
 Favorite character = 'o'

Words: Zoho, Eating, Watching, Pogo

Loving, Mango

Output : Watching Zoho
Eating Mango
Loving Pogo.

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Find the string in grid Sum Palindrome Reversing the vowels Return two prime numbers Primes sum

All Practice Problems for Zoho!

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Reverse a linked list

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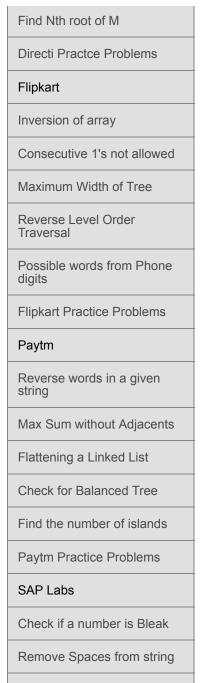
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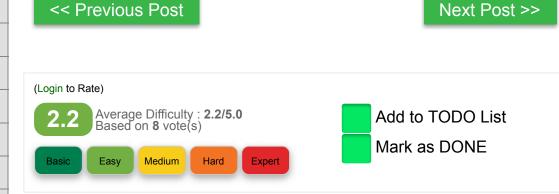
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