No of Questions - 5
Time to code/solve - 90 mins

If you think you can crack 5 questions in 90 mins, you are selected for the 1st Round Interview. Kindly note these are just sample questions, the difficulty level of questions in the interview can be high

Wish you all the best!!

Q1) Write a function that takes an integer 'x'(greater than 0) as input and returns a new integer formed by reversing the digits of 'x' without using any built-in methods for reversal. After reversing the digits, determine whether the resulting number has any prime factors. If it does have prime factors, return 'Yes' along with the list of prime factors; otherwise, return 'No'."

Example 1:
Input - 123
reversed integer - 321
prime factors of 321 are 3 and 107
output - Yes - [3,107]
Example 2:
Input - 1500
reversed Integre - 51
prime factors of 51 are 3 and 17
output - Yes - [3, 17]
Example 3:
Input - 1000
reversed Integre - 1
There are no prime factors for 1
output - No
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Q2) Given an array of strings strs, group the anagrams together. You can return the answer in any order.
An Anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once.

Example 1:
Input: strs = ["eat","tea","tan","ate","nat","bat"]
Output: [["bat"],["nat","tan"],["ate","eat","tea"]]
Example 2:
Input: strs = [""]
Output: [[""]]
Example 3:

Input: strs = ["a"]
Output: [["a"]]

Q3) Given a string s and a array of strings wordArray, return true if s can be segmented into a space-separated sequence of one or more array words.

Note that the same word in the array may be reused multiple times in the segmentation.

Example 1:
Input: s = "leetcode", wordArray = ["leet","code"]
Output: true
Explanation: Return true because "leetcode" can be segmented as "leet code".

Example 2:
Input: s = "applepenapple", wordArray = ["apple","pen"]
Output: true
Explanation: Return true because "applepenapple" can be segmented as "apple pen apple".
Note that you are allowed to reuse a dictionary word.

Example 3:
Input: s = "catsandog", wordArray = ["cats","dog","sand","and","cat"]
Output: false

Q4) Given an array of non-negative integers nums, arrange them such that they form the largest number and return it.
Note return the result in the form of string

Example 1:
Input: nums = [10,2]
Output: "210"

Example 2:
Input: nums = [3,30,34,5,9]
Output: "9534330"

Q5) Given a array of non-negative integers nums, Find the Kth largest element in the array
Note - Do not use any sorting algorithm or library's sort method

Example-1:
Input: nums = [10,4,12,9,87,34], K = 2
Output: 34