MS_SDET2_Interview

Interview_1 : Can you write a script to reverse the contents of an array?
Interview_2 : Draw the system architecture of one of your projects
Interview_3 : Director round was a bit confusing as I was asked to track mineral water of a mineral water plant.
Interview_4 : Nothing really difficult when compared to rest of the industry
Interview_5 : Find out the number of connected cells in a 2D array
Interview_6 : Design a Battleship game.
Interview_7 : Do you know this question early?
Interview_8 : Lot of Theory types of questions like test plan, test strategy.
Interview_9 : Write a function that counts words of a book based on type (noun, verb, etc)
Interview_10 : "Tell me about your biggest achievement?"
Interview_11 : Coding test was to write code to get all palindromes in a string.

Test a refrigerator.
Code to make diagonal elements 0 in a matrix.
Interview_12 : The interviewer confused me like hell when describing the question.
Every node of the tree has a pointer to its left most child. each node has a pointer to its next sibling. Its a BST. Find the smallest value in the tree.
Interview_13 : Write a program to find the word with maximum occurrences in a text and write a test module to verify.
Interview_14 : Tree with black and white nodes is given. Find a longest path of white nodes in the given tree.
Interview_15 : Algorithm questions, design questions, test automation, projects, behavioral. I say just be yourself otherwise you come across as phoney
Interview_16 : a huge matrix with 1 and 0, block the block of 1. elements could be "connected" by left, right, up or down side; but no diagonal.
my answer, scan one by one, after getting the first 1, use stack walking to all neighour 1 and change them into 0, count++
then the interview asked how to make it parallel, ...
Interview_17 : Which x86 CPU register usually holds the result?
Interview_18 : None
Interview_19 : How do you test an elevator? What is the process you use to debug if a website is down
Interview_20 : Question regarding moving window calculation in data stream algorithms
Interview_21 : Least common ancestor without using recursion
Interview_22 : Find largest palindrome in a string

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Interview_23 : Questions were mainly related to my past experience, OS concepts, synchronization issues, and so forth. There was less emphasis on algorithms and more on architecture.
Interview_24 : Your Background
Interview_25 : OVerall test scneario / test planning, etc
Interview_26 : How do you find your current job?
Interview_27 : Question Graphs
Interview_28 : 1) "yzca" <= inputStr = "abca", compareStr = "ab", replaceStr = "yz"
string funcReplaceStr(string inputStr, string compareStr, string replaceStr)

2) Design a normalized datastore and t-sql for getting this problem: Get me the top 10 customers who have purchased the most products from my site.
Interview_29 : Write a method to rotate an array at n without using O(1) space.
How would you test this method
Interview_30 : Given an array of size n with values within a known range, write a method to find duplicates in O(1)
Interview_31 : how to determine if a graph is bi-partitite.
Interview_32 : There was no unexpected question. There was a lot of expectation and probing in the area of end to end scenarios and integration test strategy for the testing questions.
Interview_33 : Test the Find - Replace Dialog
Interview_34 : permutation
Interview_35 : How would you design Battleship board game?
Interview_36 : Phone interview 1: How would you test an instant messenger system? How would you sort a large array?
Interview_37 : Phone interview 2: Write a function that accepts a string and returns the number of words in it. How will you test it?
Interview_38 : how to reverse words in a string preserving the formatting
Interview_39 : how to find the closest predecessor of a node in binary by doing inorder traversal.
Interview_40 : How do you test strcpy library function in C?
Interview_41 : Sort given strings
Interview_42 : Given the definition of a Fibonacci sequence, write a function to give the n-th term of the sequence.
Interview_43 : Code a solution to rotate bitmap by 90 degrees given a structure definition representing the bitmap and a function prototype for the function to do the rotation.
Interview_44 : What are your strengths/weaknesses - was not expecting this in an MSFT interview
Interview_45 : Basic C programs, OS knowledge.

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Interview_46 : implement queue with stacks
Interview_47 : Name 3 technical strengths. Name 3 non-technical strengths. Name a weakness.
Interview_48 : Code up area under a curve
Interview_49 : Should able to write code of Quick Sort in limited time.
Interview_50 : Rebuild a FAT table from scratch given some basic conditions/rules.
Interview_51 : Show me how to test a graph (x and y axis) using ten lines.
Interview_52 : Puzzle about horses and races. Find min number of races to find the fastest horse (see web).
Interview_53 : Gave me design question about designing a gambling website where all the participants know that the other guy is not playing foul.
Interview_54 : Given a BST find the second largest element?
Interview_55 : Technical question
Interview_56 : What is the difference between public, private and protected classes?
Interview_57 : Describe a binary search tree
Interview_58 : What is a garbage collector and how does it function?
Interview_59 : Find cycle in linked list.
Interview_60 : Reverse words in paragraph of text.
Interview_61 : Connect levels of a tree.
Interview_62 : Print tree level by level.
Interview_63 : Write a function that will take in a phone number and output all possible alphabetical combinations (found in a normal phone keypad) for it.
Interview_64 : How would you test the function above?
Interview_65 : Assume a text console where somebody is typing input. Whenever the person hits enter, we should display the string that he has entered. The string can be very very long and the program that takes the input and displays should be as fast as possible. Write such a C program
Interview_66 : I was asked a variant of the Single Source Shortest Path Problem on a general tree.
Interview_67 : Write algorithm for c compiler.
Interview_68 : How would you design a hotel reservation system?
Interview_69 : reverse link list
Interview_70 : find mirror of a binary tree
Interview_71 : A question about Linked Lists
Interview_72 : write a program to check that opening and closing braces match
Interview_73 : Find cycle in linked list.
Interview_74 : Reverse words in paragraph of text.
Interview_75 : Connect levels of a tree.

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Interview_76 : Print tree level by level.
Interview_77 : Write a function that will take in a phone number and output all possible alphabetical combinations (found in a normal phone keypad) for it.
Interview_78 : How would you test the function above?
Interview_79 : Assume a text console where somebody is typing input. Whenever the person hits enter, we should display the string that he has entered. The string can be very very long and the program that takes the input and displays should be as fast as possible. Write such a C program
Interview_80 : I was asked a variant of the Single Source Shortest Path Problem on a general tree.
Interview_81 : Write algorithm for c compiler.
Interview_82 : How would you design a hotel reservation system?
Interview_83 : reverse link list
Interview_84 : find mirror of a binary tree
Interview_85 : A question about Linked Lists
Interview_86 : write a program to check that opening and closing braces match
Interview_87 : Find cycle in linked list.
Interview_88 : Reverse words in paragraph of text.
Interview_89 : Connect levels of a tree.
Interview_90 : Print tree level by level.
Interview_91 : Write a function that will take in a phone number and output all possible alphabetical combinations (found in a normal phone keypad) for it.
Interview_92 : How would you test the function above?
Interview_93 : Assume a text console where somebody is typing input. Whenever the person hits enter, we should display the string that he has entered. The string can be very very long and the program that takes the input and displays should be as fast as possible. Write such a C program
Interview_94 : I was asked a variant of the Single Source Shortest Path Problem on a general tree.
Interview_95 : Write algorithm for c compiler.
Interview_96 : How would you design a hotel reservation system?
Interview_97 : reverse link list
Interview_98 : find mirror of a binary tree
Interview_99 : A question about Linked Lists
Interview_100 : write a program to check that opening and closing braces match
Interview_101 : Find cycle in linked list.
Interview_102 : Reverse words in paragraph of text.
Interview_103 : Connect levels of a tree.
Interview_104 : Print tree level by level.

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Interview_105 : Write a function that will take in a phone number and output all possible alphabetical combinations (found in a normal phone keypad) for it.
Interview_106 : How would you test the function above?
Interview_107 : Assume a text console where somebody is typing input. Whenever the person hits enter, we should display the string that he has entered. The string can be very very long and the program that takes the input and displays should be as fast as possible. Write such a C program
Interview_108 : I was asked a variant of the Single Source Shortest Path Problem on a general tree.
Interview_109 : Write algorithm for c compiler.
Interview_110 : How would you design a hotel reservation system?
Interview_111 : reverse link list
Interview_112 : find mirror of a binary tree
Interview_113 : A question about Linked Lists
Interview_114 : write a program to check that opening and closing braces match