https://www.shortto.com/daily

9/10/18

Class work:

Concept - Difference between pointer to array and pointer pointing to base address of array.

1. <https://www.interviewbit.com/problems/matrix-search/>

2. Given a sorted array and a target value, return its index if it is present in the array, else

return that index where it would have been in sorted order. (leetcode)

This will tell very useful property of binary search.

HomeWork:

<http://codeforces.com/problemset/problem/1059/D>

<https://www.hackerearth.com/practice/algorithms/searching/binary-search/practice-problems/algorithm/sumit-and-chocolates/>

Optional :

<https://www.hackerearth.com/practice/algorithms/searching/binary-search/practice-problems/algorithm/little-monk-and-mountains/>

10/10/18

Class work:

1. <https://www.interviewbit.com/problems/sorted-insert-position/>

2. First occurence of a number in sorted array. (find it on leetcode)

3. Last occurence of a number in sorted array.(leetcode)

4. Given a sorted array and a target value, find the frequency of target.(leetcode)

5. [https://www.codechef.com/problems/MINEAT](https://www.codechef.com/MARCH18B/problems/MINEAT)

6. <https://practice.geeksforgeeks.org/problems/move-all-zeroes-to-end-of-array/0>

HomeWork:

Today’s homework is to solve all the previously given questions.

Getting a green tick will increase confidence

Only attending classes and not submitting codes will only give illusion that you know how to code.

Huge difference between understanding/making a logic and coding it out.

Have your presence on interview bit. Finish it till december.

11/10/18

Class work:

1. <https://www.spoj.com/problems/AGGRCOW/cstart=20>

2. <https://www.interviewbit.com/problems/painters-partition-problem/>

Concept - Recursion

Home Work:

Submit both the questions discussed in class, plus your pending questions from this doc.

12/10/18

Class work:

1.<https://practice.geeksforgeeks.org/problems/index-of-an-extra-element/1>

Today we will discuss some adhoc questions on array and strings and some interesting and very useful algos:

2.<https://www.interviewbit.com/problems/seats/>

3.<https://leetcode.com/problems/majority-element/> Moore Voting Algo

4.<https://leetcode.com/problems/maximum-subarray/> Kadane’s Algo

5.<https://practice.geeksforgeeks.org/problems/maximum-difference/0>

6.<https://leetcode.com/problems/rotate-string/>

HomeWork:

<https://leetcode.com/problems/spiral-matrix/description/>

<https://www.interviewbit.com/problems/n3-repeat-number/>

13/10/18

Class work:

Today we will discuss stacks and queues:

1.<https://practice.geeksforgeeks.org/problems/parenthesis-checker/0>

2.<https://practice.geeksforgeeks.org/problems/next-larger-element/0>

3.<https://www.interviewbit.com/problems/nearest-smaller-element/>

4.<https://www.interviewbit.com/problems/evaluate-expression/>

5.<https://www.interviewbit.com/problems/rain-water-trapped/>

6.<https://www.interviewbit.com/problems/largest-rectangle-in-histogram/>

7.<https://www.geeksforgeeks.org/largest-rectangle-under-histogram/>

14/10/18

Class work:

1.Print a aa aaa aab aac ab aba abb abc aca acb acc……..

2.<https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1>

3.<https://practice.geeksforgeeks.org/problems/queue-using-two-stacks/1>

4.<https://practice.geeksforgeeks.org/problems/stock-span-problem/0>

5.Print a aa ab ac aaa aab aac aba abb abc aca acb acc…….

6.<https://www.interviewbit.com/problems/sliding-window-maximum/>

15/10/18

Class work:

1.<https://practice.geeksforgeeks.org/problems/circular-tour/1>

2.[https://www.interviewbit.com/problems/maximum-absolute-difference](https://www.interviewbit.com/problems/maximum-absolute-difference/)

3.<https://www.interviewbit.com/problems/find-duplicate-in-array/>

16/10/18

Class work:

1.<https://www.interviewbit.com/problems/repeat-and-missing-number-array/>

2.<https://practice.geeksforgeeks.org/problems/relative-sorting/0>

3.<https://www.interviewbit.com/problems/largest-number/>

4.<https://www.geeksforgeeks.org/find-next-greater-number-set-digits/>

Comparator Logic in java:-

Import required header files

class s implements Comparator<String> {

public int compare(String s1, String s2) {

return (s2+s1).compareTo(s1+s2);

}

}

public static void main(String[] args) throws Exception{

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int n = Integer.parseInt(br.readLine());

String[] a = new String[n];

for (int i = 0; i < n; i++) {

a[i] = (br.readLine());

}

Arrays.sort(a,new s());

System.out.println(Arrays.toString(a));

}

17/10/18

Class work:

1.<https://practice.geeksforgeeks.org/problems/finding-middle-element-in-a-linked-list/1>

2.<https://practice.geeksforgeeks.org/problems/nth-node-from-end-of-linked-list/1>

3.<https://practice.geeksforgeeks.org/problems/detect-loop-in-linked-list/1>

18/10/18

Class work:

1.<https://practice.geeksforgeeks.org/problems/remove-loop-in-linked-list/1>

2.<https://practice.geeksforgeeks.org/problems/intersection-point-in-y-shapped-linked-lists/1>

Recursion - Printing all the permutations of a string.

20/10/18

Class work:

1.<https://practice.geeksforgeeks.org/problems/clone-a-linked-list-with-next-and-random-pointer/1>

2.<https://practice.geeksforgeeks.org/problems/reverse-a-linked-list/1>

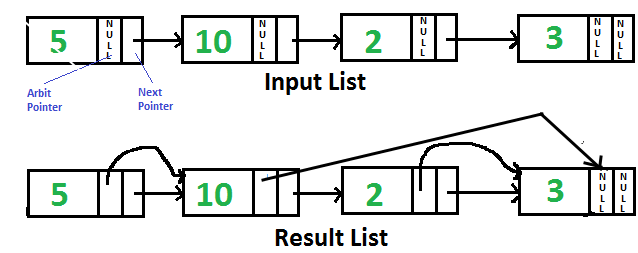
3.<https://practice.geeksforgeeks.org/problems/check-if-linked-list-is-pallindrome/1>

4.<https://practice.geeksforgeeks.org/problems/merge-two-sorted-linked-lists/1>

5.<https://practice.geeksforgeeks.org/problems/merge-k-sorted-linked-lists/1>

6.Point arbit pointer to greatest value right side node in a linked list

Given singly linked list with every node having an additional “arbitrary” pointer that currently points to NULL. We need to make the “arbitrary” pointer to greatest value node in a linked list on its right side.



Trees:

7.<https://www.interviewbit.com/problems/preorder-traversal/>

8.<https://www.interviewbit.com/problems/inorder-traversal/>

9.<https://practice.geeksforgeeks.org/problems/level-order-traversal/1>

10.<https://www.interviewbit.com/problems/vertical-order-traversal-of-binary-tree/>

23/10/18

Class work:

1.<https://www.interviewbit.com/problems/postorder-traversal/>

2.<https://www.interviewbit.com/problems/least-common-ancestor/>

3.<https://www.interviewbit.com/problems/path-sum/>

4.<https://www.interviewbit.com/problems/root-to-leaf-paths-with-sum/>

5.<https://practice.geeksforgeeks.org/problems/top-view-of-binary-tree/1>