**Solution 2nd Day March Ques- 8**

Love Babbar:450 DSA QUES

1. <https://practice.geeksforgeeks.org/problems/first-and-last-occurrences-of-x3116/1>

vector<int> find(int arr[], int n , int x )

{

// code herevec

vector<int>res;int f=0;

int start=INT\_MAX,end=INT\_MIN;

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

if(arr[i]==x){

start=min(start,i);

end=max(end,i);f=1;

}

}

if(f==0)

{

start=-1;

end=-1;

}

res.push\_back(start);

res.push\_back(end);return res;

}

1. <https://practice.geeksforgeeks.org/problems/union-of-two-arrays3538/1>

public static int doUnion(int a[], int n, int b[], int m)

{

//Your code hereHashSet<Integer> s=new HashSet<>();

HashSet<Integer> s=new HashSet<>();

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

s.add(a[i]);

for(int i=0;i<m;i++)

s.add(b[i]);

return s.size();

}

1. <https://www.geeksforgeeks.org/reverse-a-linked-list/>

class ReverseLL

{

// This function should reverse linked list and return

// head of the modified linked list.

Node reverseList(Node head)

{

Node prev=null,cur=head,next=null;

while(cur!=null){

next=cur.next;

cur.next=prev;

prev=cur;cur=next;

}

return prev;

}

}

1. <https://practice.geeksforgeeks.org/problems/reverse-a-linked-list-in-groups-of-given-size/1>

class Solution

{

public static Node reverse(Node node, int k)

{

//Your code here

Node cur=node,prev=null,next=null;

int temp=k;

while(temp>0&&cur!=null){temp--;

next=cur.next;

cur.next=prev;

prev=cur;

cur=next;

}if(node!=null)

{

node.next=reverse(next,k);

}

return prev;

}

}

1. <https://practice.geeksforgeeks.org/problems/spirally-traversing-a-matrix-1587115621/1>

Basics Coding Question:

1. <https://practice.geeksforgeeks.org/problems/mean0021/1>

class ReverseLL

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while(cur!=null){

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cur.next=prev;

prev=cur;cur=next;

}

return prev;

}

}

1. <https://practice.geeksforgeeks.org/problems/number-series3015/1>

class Solution {

public:

int findNth(int n){

// code here

if(n%2==1)return 0;

int temp=0;

while(n%2==0){

temp++;

n/=2;

}

return temp;

}

};

1. <https://www.geeksforgeeks.org/program-to-find-the-roots-of-quadratic-equation/>

Deadline: 9march 11:59pm