Day 8&9&10&11(Thursday,Friday,Saturday)

1. https://practice.geeksforgeeks.org/problems/row-with-max-1s0023/1

```
class Solution{
public:
        int rowWithMax1s(vector<vector<int> > arr, int n, int m) {
           // code here


             vector<int>v;


    int c=0;
    for(int i=0;i<arr.size();i++)
    {
       c=0;
       for(int j=0;j<arr[i].size();j++)
       {
          if(arr[i][j]==1)c++;
       }
       v.push_back(c);
    }
    int row=-1;
    int max_row=0;
    for(int i=0;i<n;i++)
    {
       if(max_row<v[i])
       {
          row=i;
          max_row=v[i];
       }
    }return row;
         }
```

```
};
```

2. https://www.geeksforgeeks.org/split-the-binary-string-into-substrings-with-equal-number-of-0s-and-1s/

```
#include <bits/stdc++.h>
using namespace std;
int maxSubStr(string str, int n)
{
  int c0=0,c1=0;
  int cnt=0;
  for(int i=0;i<n;i++)
  {
     if(str[i]=='0')c0++;
     else if(str[i]=='1')c1++;
    if(c0==c1)
    {
       cnt++;
       c0=c1=0;
    }

  }
  if(cnt==0)return -1;
  return cnt;
}

// Driver code
int main()
{
        string str = "0100110101";
        int n = str.length();

        cout << maxSubStr(str, n);

        return 0;
}
```

3. https://practice.geeksforgeeks.org/problems/word-wrap/0

Nahi Bna

4. https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1

   Sare Test Case Pass Nahi Huye ----T.L.E.

5. https://practice.geeksforgeeks.org/problems/majority-element-1587115620/1

```
int majorityElement(int a[], int size)
{

   // your code here
   map<int,int>m;
   int c=size/2;
   for(int i=0;i<size;i++)
   {
      m[a[i]]++;



   }
   for(auto i:m)
   {
     if(i.second>c)
     return i.first;


   }
   return -1;

}
```

6. https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/

```
#include<iostream>
#include<bits/stdc++.h>
using namespace std;
vector<int> minMax(int arr[],int n)
{
   int min=arr[0];
   int max=arr[0];
   for(int i=1;i<n;i++)
   {
      if(min>arr[i])min=arr[i];
      if(max<arr[i])max=arr[i];
   }
   return {min,max};
```

```
}

int main()
{
        int arr[] = { 1000, 11, 445,
                                        1, 330, 3000 };
        int arr_size = 6;
        vector<int>res=minMax(arr,arr_size);
        for(auto x:res)
        cout<<x<<" ";

        return 0;
}
```

7. https://www.geeksforgeeks.org/optimum-location-point-minimize-total-distance/
   -Ques Smz nahi aaya

8. https://practice.geeksforgeeks.org/problems/intersection-of-two-sorted-linked-lists/1

```
Node* findIntersection(Node* head1, Node* head2)
{
  // Your Code Here
  Node* temp=new Node(0);
  Node *temp1=temp;
  Node *h1=head1,*h2=head2;
  while(h1&&h2)
  {
    if(h1->data==h2->data)
    {
      Node *newNode= new Node(h1->data);
      //temp->data=newNode->data;
     temp->next=newNode;
     temp=temp->next;
      h1=h1->next;
      h2=h2->next;

    }else if(h1->data<h2->data)
    {
      h1=h1->next;

    }else
    h2=h2->next;
  }
  return temp1->next;
```

}

9. https://practice.geeksforgeeks.org/problems/intersection-point-in-y-shapped-linked-lists/1
   -Nahi BNA

10. https://practice.geeksforgeeks.org/problems/sort-a-linked-list/1
    -Nahi Bna

11. https://practice.geeksforgeeks.org/problems/quick-sort-on-linked-list/1
    -NAhi bna

12. https://leetcode.com/problems/middle-of-the-linked-list/

```
class Solution {
public:
   ListNode* middleNode(ListNode* head) {

      ListNode *slow=head,*fast=head;
       while(fast&&fast->next)
       {
          fast=fast->next->next;
          slow=slow->next;

       }
       return slow;

   }
};
```

DAY 8:-

1. https://practice.geeksforgeeks.org/problems/minimize-the-heights3351/1
   Nahi bnta

2. https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps-1587115620/1
   Nahi Bna

3. https://leetcode.com/problems/find-the-duplicate-number/
   class Solution {

```
public:
    int findDuplicate(vector<int>& nums) {
     int r1=nums[0];int r2=nums[0];
       do{
          r1=nums[r1];
          r2=nums[nums[r2]];
       }while(r1!=r2);
       r1=nums[0];
       while(r1!=r2)
       {
          r1=nums[r1];
          r2=nums[r2];
       }
       return r2;
    }
};
```

4. https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays5135/1

```
class Solution{
public:
            void merge(int arr1[], int arr2[], int n, int m) {
               // code here
                  int i=0,j=0,temp=0,k=n-1;
    while(i<=k)
    {

     if(arr1[i]>=arr2[j])
     {
        temp=arr2[j];
        arr2[j]=arr1[k];
        arr1[k]=temp;
        k--;j++;
     }
     else if(arr1[i]<arr2[j])
     {
        i++;
     }
     if(j==m)
     {
        break;
     }


    }
    sort(arr1,arr1+n);
```

```
        sort(arr2,arr2+m);
            }
    };
```

5. https://practice.geeksforgeeks.org/problems/kadanes-algorithm-1587115620/1

```
int maxSubarraySum(int arr[], int n){
 int sum=arr[0];
 int totalSum=arr[0];
 for(int i=1;i<n;i++){
     sum=max(sum+arr[i],arr[i]);
     totalSum=max(totalSum,sum);
 }
 return totalSum;
}
```