

DAILY ONLINE ACTIVITIES SUMMARY

Date:	01/06/2020	Name:	Mithun Kumar D
Sem & Sec	VIII Semester & A section	USN:	4AL16CS053
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	60
Certification Course Summary			
Course	AWS Cloud Practitioner Essentials (Second Edition): AWS Security		
Certificate Provider	AWS	Duration	50 minutes
Coding Challenges			
Problem Statement: Remove Friends C++ Program.			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		mkd18	
Uploaded the report in slack		YES	

Online Test Details:

Test Completed!

You have successfully participated in SMS_IV Basic Clone at 2020-06-01 09:01:59.

Rate this Test

Your Rating: ★★★★★ ◀ Click to Rate

Results

Analytics



SMS_IV IA

Your Score

60 / 60

Certification Course Details:



Certificate of Completion
Mithun Kumar D

Has successfully completed
AWS Cloud Practitioner Essentials (Second Edition): AWS Security

Maurice Jorgensen

Director, Training and Certification

50 minutes

Duration

1 June, 2020

Completion Date

Coding Challenges Details:

Program:

6. Remove Friends

After getting her PhD, Christie has become a celebrity at her university, and her Facebook profile is full of friend requests. Being the nice girl, she is, Christie has accepted all the requests.

Now Kuldeep is jealous of all the attention she is getting from other guys, so he asks her to delete some of the guys from her friend list.

To avoid a 'scene', Christie decides to remove some friends from her friend list, since she knows the popularity of each of the friend she has, she uses the following algorithm to delete a friend.

Algorithm Delete(Friend):

```
DeleteFriend=false
for i = 1 to Friend.length-1
    if (Friend[i].popularity < Friend[i+1].popularity)
        delete i th friend
        DeleteFriend=true
        break
if(DeleteFriend == false)
    delete the last friend.
```

Input Format

First line contains T number of test cases. First line of each test case contains N, the number of friends Christie currently has and K, the number of friends Christie decides to delete. Next lines contains popularity of her friends separated by space.

Output Format

For each test case print N-K numbers which represent popularity of Christie friend's after deleting K friends.

Constraints

```
1<=T<=1000
1<=N<=100000
0<=K< N
0<=popularity_of_friend<=100
```

```
#include <bits/stdc++.h>
using namespace std;
void arrange(int arr[], int n, int x)
{
    int i, j;

    if(x==n)
        return;
    for(j=x; j<=n-1; j++)
        arr[j]= arr[j+1];
}
int main(void)
{
    int T;
    cin>>T;
    while(T--)
    {
```

```

int n, k;
cin>>n>>k;
int arr[n+1], i, count=0, temp=0;

for(i=1; i<=n; i++)
    cin>>arr[i];

for(i=1; i<=n-1; i++)
{
    if(arr[i]<arr[i+1])
    {
        arr[i]=-1;
        arrange(arr, n, i);
        --n;
        count++;
        temp++;
    }
    if(count==k)
        break;
    if(i==n-1)
    {
        if(count<k && temp!=0)
        {
            // printlist(arr, n);
            temp=0;
            i=0;
        }
        else
            break;
    }
}
while(count!=k)
    --n;
for(i=1; i<=n; i++)
    cout<<arr[i]<<" ";
cout<<"\n";
}

return 0;
}

```