DAILY ONLINE ACTIVITIES SUMMARY

Date:	**31/05/2020**	**Name:**	**Mithun Kumar D**
Sem & Sec	**VIII Semester & A section**	**USN:**	**4AL16CS053**

Online Test Summary

Subject	**IOT**		
Max. Marks	**20**	**Score**	**19**

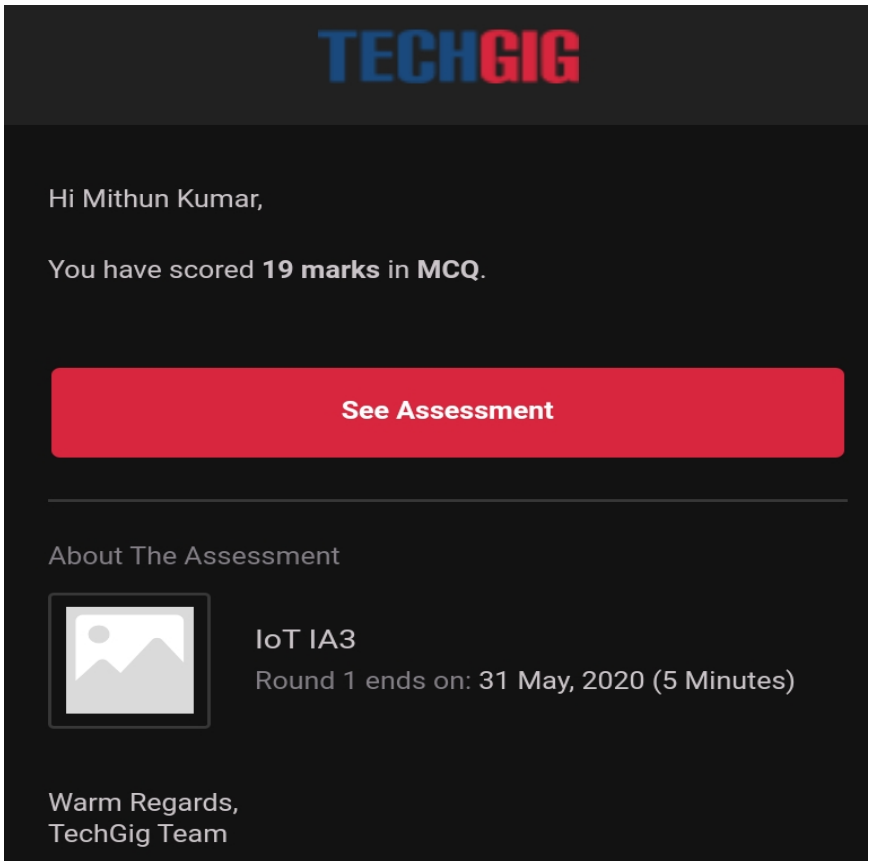
Certification Course Summary

Course	**AWS Cloud Practitioner Essentials (Second Edition): AWS Integrated Services**		
Certificate Provider	**AWS**	**Duration**	**100 minutes**

Coding Challenges

Problem Statement: Frustrated coders Program.	
Status: COMPLETED	
Uploaded the report in Github	**YES**
If yes Repository name	**mkd18**
Uploaded the report in slack	**YES**

Online Test Details:



Certification Course Details:

Coding Challenges Details:

Program:

3. **Frustrated coders**

There are N frustrated coders standing in a circle with a gun in their hands. Each coder has a skill value S[i] and he can only kill those coders that have strictly less skill than him. One more thing, all the guns have only 1 bullet. This roulette can take place in any random order. Fortunately, you have the time stone (haaan wo harre wala) and you can see all possible outcomes of this scenario. Find the outcome where the total sum of the remaining coder's skill is minimum. Print this sum.

Input Format

The first line contains N the no. of coders

The next line contains N elements where the ith element is theS[i] of ith coder.

Output Format

Print a single line containing the minimum sum.

Constraints

1<= N <= 1000000

1<=S[i]<=1000

```
#include<bits/stdc++.h>
using namespace std;
main()
{
ios_base::sync_with_stdio(false);
cin.tie(NULL);
int n;
cin>>n;
int a[n];
int sum=0;
for(int i=0; i<n; i++)
{
cin>>a[i];
}
sort(a,a+n);
for(int i=1; i<n; i++)
{
  for(int j=i-1; j>=0; j--)
  {
          if(a[i]>a[j]&&a[j]!=0)
          {
                  a[j]=0;
                  break;
}}}
```

```
sum=0;
for(int i=0; i<n; i++)
{
        sum+=a[i];
}
cout<<sum;

}
```