DAILY ONLINE ACTIVITIES SUMMARY

Date:	8/6/2020	**Name:**	Vleena Mascarenhas
Sem & Sec	8th & B	**USN:**	4AL16CS121

Online Test Summary

Subject	System Modeling and Simulation		
Max. Marks	60	**Score**	60

Certification Course Summary

Course	Introduction to Cyber Security		
Certificate Provider	Great learning academy	**Duration**	7hrs

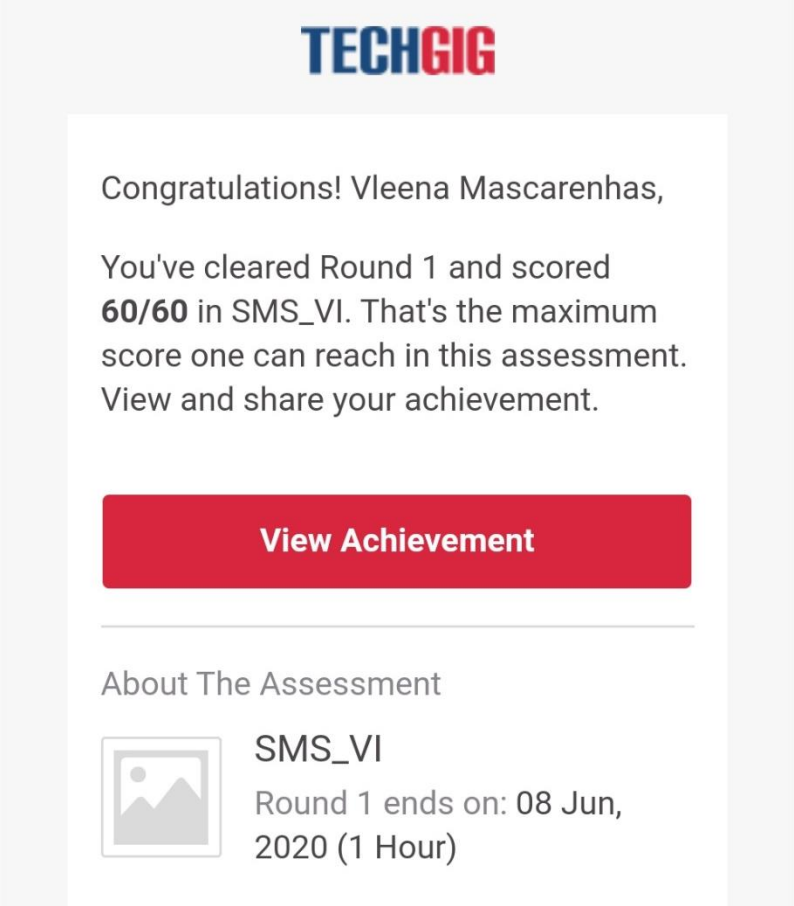
Coding Challenges

Problem Statement:
Write C program for finding the desired k^{th} smallest element in an array.

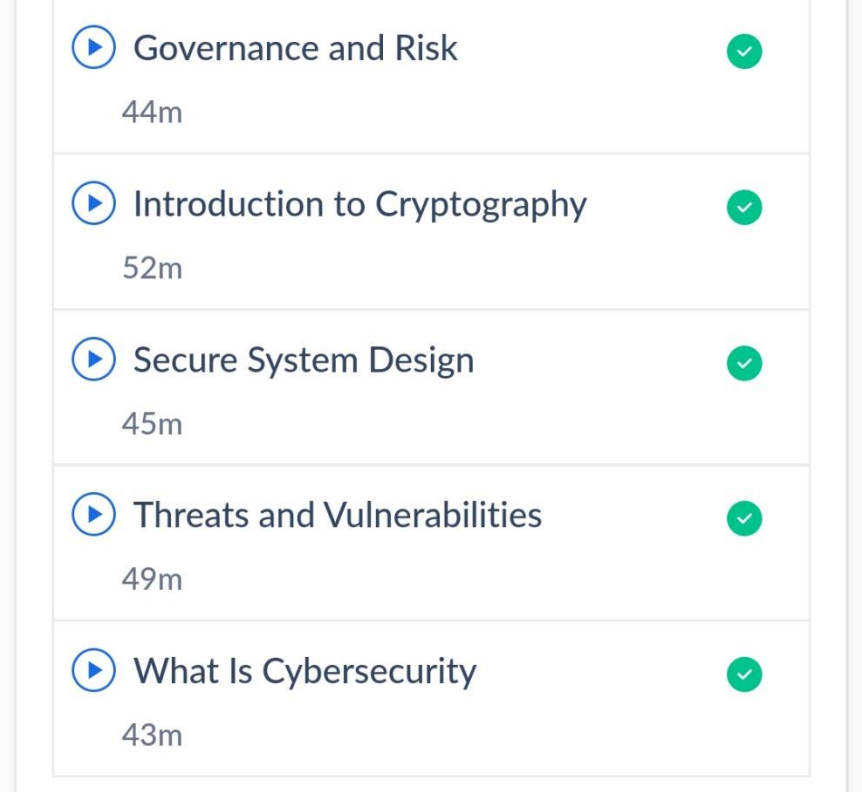
Status: Solved

Uploaded the report in Github	yes
If yes Repository name	vleena
Uploaded the report in slack	yes

Online Test Details: (Attach the snapshot and briefly write the report for the same)



Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Problem Statement:

Write C program for finding the desired k^{th} smallest element in an array.

```
#include<stdio.h>

#include<conio.h>

void main()

{

int *arr,i,j,n,temp,k;

clrscr();

printf("enter the number of elements in the array");
```

```
scanf(“%d”,&n);
arr=(int*)malloc(sizeOf(int)*n);
for(i=0;i<n;i++)
{
printf(“enter a number”);
scanf(“%d”,&arr[i]);
}
for(j=i+1;j<n;j++){
if(arr[i]<arr[j])
{
temp=arr[i];
arr[i]=arr[j];
arr[j]=temp;
}
}
}
printf(“elements of array after sorting”);
for(i=0;i<n;i++)
printf(“%d”,arr[i]);
printf(“which smallest element do you want to determine”);
scanf(“%d”,k);
if(k<=n)
printf(“Desired smallest element is %d”,arr[k-1]);
else
printf(“please enter a valid value for finding the particular smallest element”);
```

```
getch();
}
```

OUTPUT:

```
enter the number of elements in the array 5
enter a number 33
enter a number 32
enter a number 46
enter a number 68
enter a number 47
elements of array after sorting
32
33
46
47
68
which smallest element do you want to determine 3
Desired smallest element is 46
```