DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/5/2020	**Name:**	Vleena Mascarenhas
Sem & Sec	8th & B	**USN:**	4AL16CS121

Online Test Summary

Subject	Big Data Analytics		
Max. Marks	40	**Score**	30

Certification Course Summary

Course	Introduction to Ethical Hacking		
Certificate Provider	Great learning academy	**Duration**	6hrs

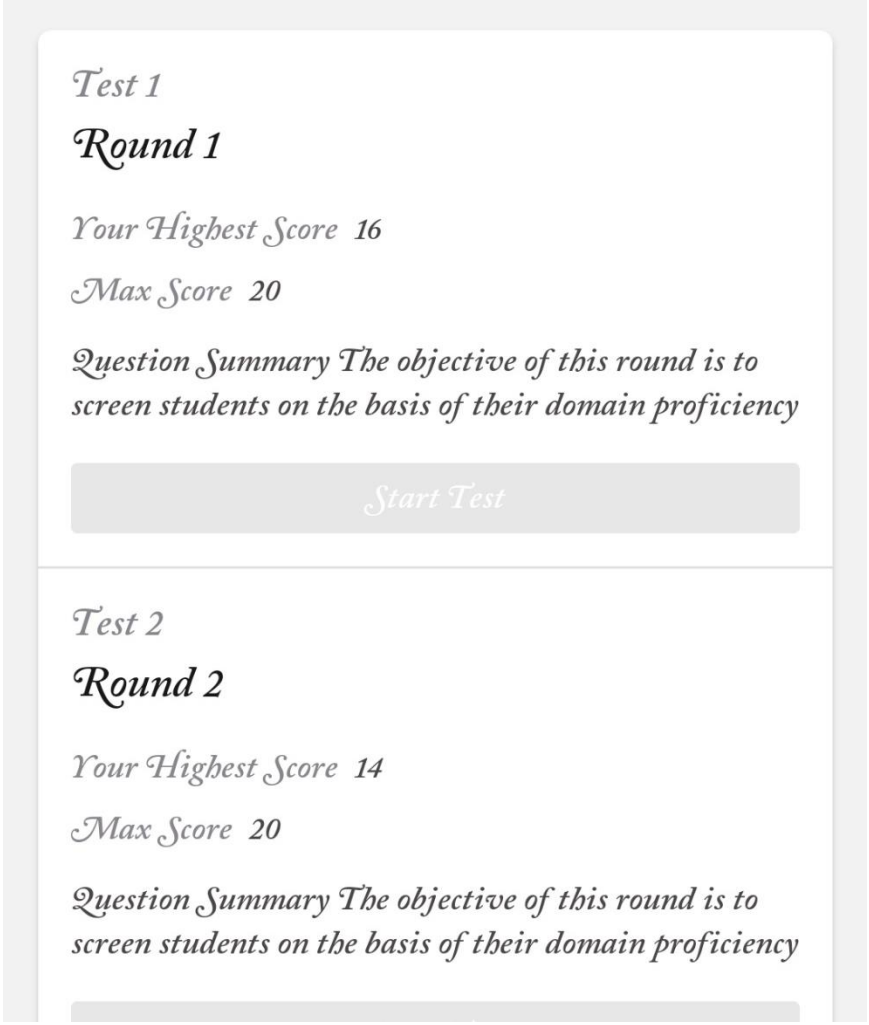
Coding Challenges

Problem Statement:
1. Write a C program to print all permutations of a given string using pointers.

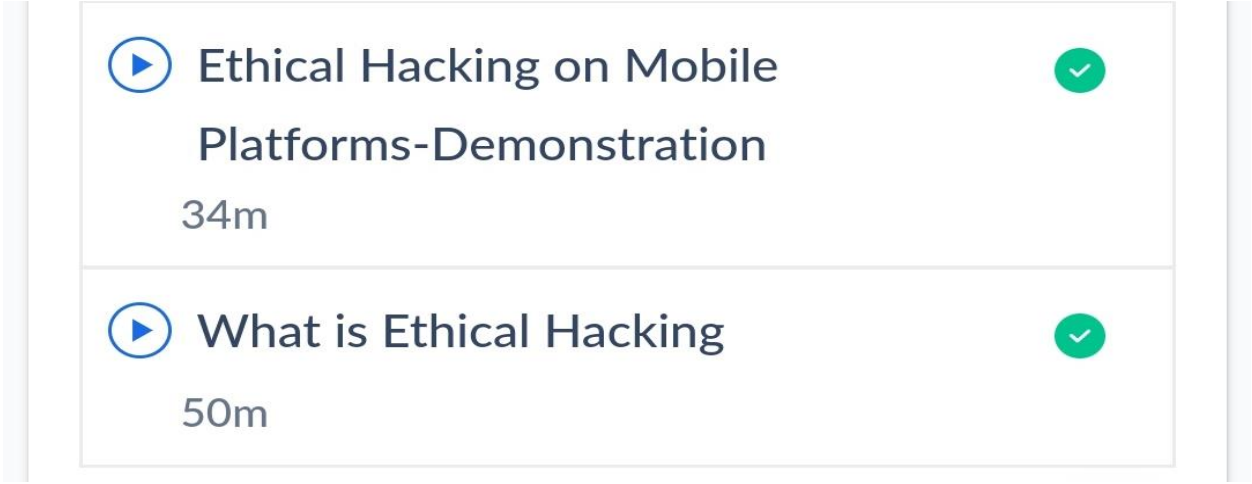
Status: Solved

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)

Write a C program to print all permutations of a given string using pointers.

```
#include <stdio.h>
#include <string.h>
void swap (char *x, char *y)
{
    char temp;
    temp = *x;
    *x = *y;
    *y = temp;
}
void permute(char *a, int i, int n)
{
    int j;
    if (i == n)
        printf("%s\n", a);
    else {
        for (j = i; j <= n; j++)
        {
            swap((a + i), (a + j));
            permute(a, i + 1, n);
            swap((a + i), (a + j)); //backtrack
        }
    }
```

```
}
int main()
{
    char a[20];
    int n;
    printf("Enter a string: ");
    scanf("%s", a);
    n = strlen(a);
    printf("Permutaions:\n");
    permute(a, 0, n - 1);
    getchar();
    return 0;
}
```