DAILY ONLINE ACTIVITIES SUMMARY

Date:	27-05-2020		Name:	Sinchana Kamath
Sem & Sec	8th sem B sec		USN:	4AL16CS102

Online Test Summary			
Subject	IOT		
Max. Marks	30	Score	28

Certification Course Summary			
Course	Introduction to ethical hacking		
Certificate Provider	https://www.greatlearning.in/academy	Duration	6hrs

Coding Challenges
Problem Statement: write a c program to sort an array of integers in ascending order and display the sorted array and number of passes performed for sorting
Status: completed

Uploaded the report in Github	yes
If yes Repository name	Sinchana Kamath
Uploaded the report in slack	yes

YOnline Test Details: (Attach the snapshot and briefly write the report for the same)
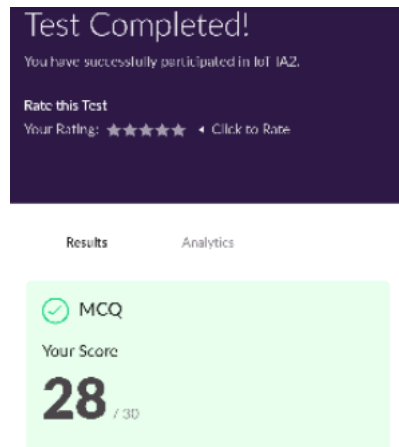
Certification Course Details: (Attach the snapshot and briefly write the report for the same)
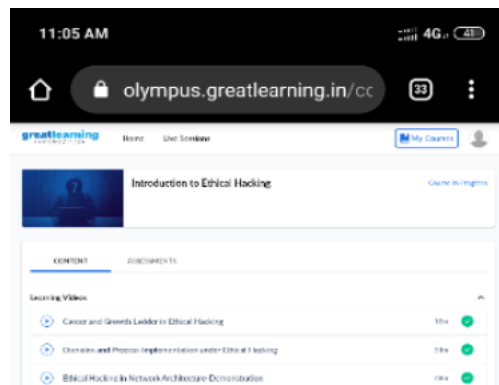
Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given n it was uploaded for github and slack

#include <stdio.h>

void swap(int *xp, int *yp)

{

   int temp = *xp;

```c
    *xp = *yp;

    *yp = temp;

}

int bubbleSort(int arr[], int n)

{

    int i, j,count=0;

    int swapped;

    for (i = 0; i < n-1; i++)

    {

        swapped = 0;

        for (j = 0; j < n-i-1; j++)

        {

            if (arr[j] > arr[j+1])

            {

                swap(&arr[j], &arr[j+1]);

                swapped = 1;

                count++;

            }

        }

        if (swapped == 0)

            break;

    }

    return count;

}
```

```c
void printArray(int arr[], int size)
{
    int i;
    for (i=0; i < size; i++)
        printf("%d ", arr[i]);
    printf("\n");
}
int main()
{
    int arr[50],num;
    printf("enter the number of elements");
    scanf("%d",&num);
    printf("enter the elements");
    for(int i=0;i<num;i++){
        scanf("%d",&arr[i]);
    }
    int c=bubbleSort(arr, num);
    printf("Sorted array: \n");
    printArray(arr, num);
    printf("Number of passes:%d\n",c);
    return 0;
}
```