DAILY ONLINE ACTIVITIES SUMMARY

Date:	27-05-2020		Name:	Sheeri Shetty	
Sem & Sec	8th sem B sec		USN:	4AL16CS095	
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			Sheeri-Shetty-		
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)
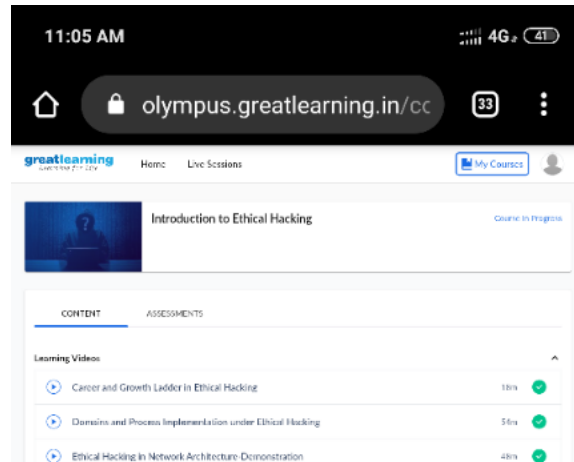
Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given n it was uploaded for github and slack

```c
#include <stdio.h>

void swap(int *xp, int *yp)

{

    int temp = *xp;

    *xp = *yp;

    *yp = temp;

}

int bubbleSort(int arr[], int n)

{

    int i, j,count=0;
```

```c
    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;
}
void printArray(int arr[], int size)
{
    int i;
  for (i=0; i < size; i++)
      printf("%d ", arr[i]);
    printf("\n");
```

```c
}
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;
}
```