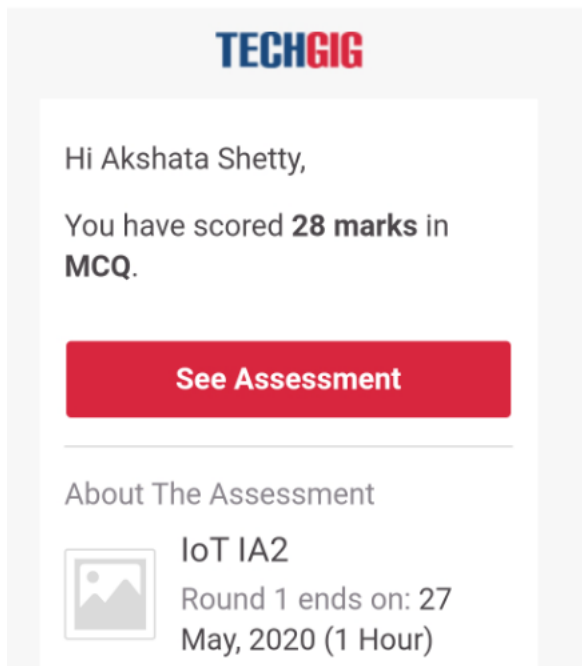


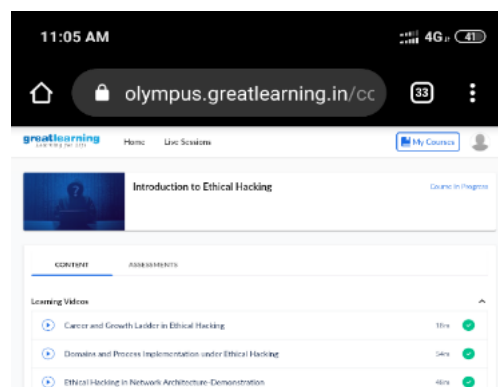
DAILY ONLINE ACTIVITIES SUMMARY

Date:	27- 05- 2020		Name:	Akshata Shetty
Sem & Sec	8 th sem B sec		USN:	4AL16CS092
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			Akshata	
Uploaded the report in slack			yes	

Online Test Details:



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;
```

```
    *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;
}

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;  
}
```