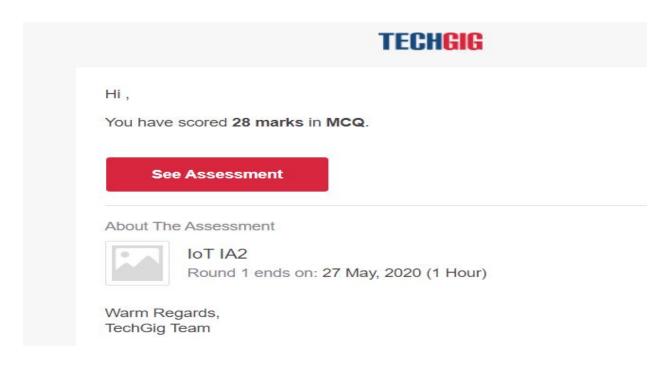
DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/05/202	20	Name:	Shruthi		
Sem & Sec	8 B		USN:	4AL16CS100		
		Online To	est Summary			
Subject	IOT					
Max. Marks	s 30		Score	28		
Certification Course Summary(Internship)						
Task	Study-1.Learning the concepts of ETL and ETL tools. 2.Creating an UI using an ETL tool.					
company		Gain-insights	Duration		9 hrs	
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			alvas-education-foundation/ shruthikamath			
Uploaded th	e report ir	ı slack	Yes	Yes		

ONLINE TEST:



CODING CHALLENGE:

PROGRAM1

```
#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;
}
```