

DAILY ONLINE ACTIVITIES SUMMARY

Date:	27/05/2020	Name:	Shruthi
Sem & Sec	8 B	USN:	4AL16CS100
Online Test Summary			
Subject	IOT		
Max. Marks	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 the report in slack		Yes	

ONLINE TEST:

TECHGIG

Hi ,

You have scored **28 marks** in **MCQ**.

[See Assessment](#)

About The Assessment

**IoT IA2**
Round 1 ends on: 27 May, 2020 (1 Hour)

Warm Regards,
TechGig Team

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;

}
```