

DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/05/2020	Name:	Prathiksha
Sem & Sec	8 th sem & B sec	USN:	4AL16CS070
Online Test Summary			
Subject	Big Data Analytics (BDA)		
Max. Marks	30	Score	18
Certification Course Summary			
Course	Introduction To Hadoop		
Certificate Provider	Great Learning Academy	Duration	3.5hrs
Coding Challenges			
Problem Statement: Bubble sort program in C.			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Prathiksha	
Uploaded the report in slack		Yes	

Online Test Details:

Test Completed!
You have successfully participated in CSE_BDA_4.

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Results Analytics

✓ Round 1
Your Score **18** / 30

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09:49
29-05-2020

Test portion was 4st Module problems and theory.

Certification Course Details:

greatlearning
Learning for Life

Certificate of completion

Presented to
Prathiksha

For successfully completing a free online course
Introduction to Hadoop

Provided by
Great Learning Academy
(On May 2020)

To verify this certificate visit verify.greatlearning.in/JYHWRETW

Topic : About Hadoop and YARN.

Coding Challenges Details:

Program 1:

In Bubble sort, each pass consists of comparison each element in the file with its successor (i.e. $x[i]$ with $x[i+1]$) and interchanging two elements if they are not in the proper order. The array may be sorted in any pass. If the array is sorted, then remaining passes should be skipped off. 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.

```
#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;  
}
```