**DAILY ONLINE ACTIVITIES SUMMARY**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **27/05/20** | | | | | **Name:** | **SARANG VK** | |
| **Sem & Sec** | **8th B** | | | | | **USN:** | **4AL16CS085** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **IOT** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **24** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **HADOOP** | | | | | | | |
| **Certificate Provider** | | | **GREATLEARNING** | | **Duration** | | | **28 MINUTES** |
| **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/sarang\_vk** | | | |
| **Uploaded the report in slack** | | | | | **YES** | | | |

PROGRAM1

#include <stdio.h>

void swap(int \*xp, int \*yp)

{

int temp = \*xp;

\*xp = \*yp;

\*yp = temp;

}

intbubbleSort(intarr[], int n)

{

inti, 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(intarr[], int size)

{

inti;

for (i=0; i< size; i++)

printf("%d ", arr[i]);

printf("\n");

}

int main()

{

intarr[50],num;

printf("enter the number of elements");

scanf("%d",&num);

printf("enter the elements");

for(inti=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;

}



