Dhaka International University

**Department of Computer Science and Engineering**

Course Title: Algorithm Design & Analysis Lab

Course code: CSE-302

**Lab Task-03**

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Submitted by:

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Batch: E-76th (2nd shift)

Semester: 7th

**Counting sort row code:**

//Fatima

//Batch: E-76th

//Roll:19

//counting sort ascending or descending order

#include<stdio.h>

int main(){

int a[50],n,i,j,temp;

printf("Enter how many numbers you want to insert:");

scanf("%d",&n);

printf("\nEnter the numbers :");

for(i=0; i<n;i++){

scanf("%d",&a[i]);

}

for(i=0; i<n; i++){

for(j=i+1; j<n; j++){

if(a[i]>a[j]){

temp=a[i];

a[i] = a[j];

a[j] = temp;

}

}

printf("Sorted list in ascending order:");

for(i=0; i<n; i++){

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

}

printf("\nSorted list in descending order:");

for(i=n-1; i>=0;i--){

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

}

return 0;

}



