



Hello pushpitha2001





Logout

[PRACTICE & LEARN](#) [COMPETE](#) [DISCUSS](#) [OUR INITIATIVES](#) [ASSOCIATE WITH US](#)  
[MORE](#)

Home » IDE

## Code, Compile & Run

Ide  

Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets auto-saved every second

```
1 #include <stdio.h>
2 void bubblesort(int arr[], int size)
3 {
4     int i, j;
5     for (i = 0; i < size; i++)
6     {
7         for (j = 0; j < size - i; j++)
8         {
9             if (arr[j] > arr[j+1])
10                swap(&arr[j], &arr[j+1]);
11        }
12    }
13 }
14 void swap(int *a, int *b)
15 {
16     int temp;
17     temp = *a;
18     *a = *b;
19     *b = temp;
20 }
21 int main()
22 {
23     int array[100], i, size;
24     printf("How many numbers you want to sort: ");
25     scanf("%d", &size);
26     printf("\nEnter %d numbers : ", size);
27     for (i = 0; i < size; i++)
28         scanf("%d", &array[i]);
29 }
```

0.0

Open File

 Custom Input

Run

Custom Input

```
2
10 20
```

Status Successfully executed Date 2020-07-12 14:35:36 Time 0 sec Mem 9.424 kB

Input

```
2
10 20
```

Output

```
How many numbers you want to sort:
Enter 2 numbers :
Sorted array is 0 10
```



Code, Compile &...  
codechef.com



pushpitha2001



Logout

PRACTICE & LEARN

COMPETE

DISCUSS

OUR INITIATIVES

ASSOCIATE WITH US

Home > IDE

MORE

## Code, Compile & Run

ids



Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets auto-saved every second



```
10 swap(&arr[j], &arr[j+1]);
11 swap(&arr[j], &arr[j+1]);
12 }
13 }
14 }
15 void swap(int *a, int *b)
16 {
17     int temp;
18     temp = *a;
19     *a = *b;
20     *b = temp;
21 }
22 int main()
23 {
24     int array[100], i, size;
25     printf("How many numbers you want to sort: ");
26     scanf("%d", &size);
27     printf("\nEnter %d numbers : ", size);
28     for (i = 0; i < size; i++)
29         scanf("%d", &array[i]);
30     bubblesort(array, size);
31     printf("\nSorted array is ");
32
33     for (i = 0; i < size; i++)
34         printf(" %d ", array[i]);
35     return 0;
36 }
37 }
```

0.0



Open File

✓ Custom Input

Run

Custom Input

2  
10 20

Status Successfully executed Date 2020-07-12 14:35:36 Time 0 sec Mem 9.424 kB



Input

2  
10 20

Output

How many numbers you want to sort:  
Enter 2 numbers :  
Sorted array is 0 10

Bubble Sort Algorithm

Bubble sort (int a[], int n)

Begin

for i = 1 to n - 1

sorted = true

for j = 0 to n - 1 - i

if  $a[j] > a[j+1]$ temp =  $a[j]$  $a[j] = a[j+1]$  $a[j+1] = \text{temp}$ 

sorted = false.

end for

if sorted

break from i loop.

end for

End.

Flowchart