

[Dashboard](#) / [My courses](#) / [CS23331-DAA-2023-CSE](#) / [Divide and Conquer](#) / [5-Implementation of Quick Sort](#)

Started on	Friday, 4 October 2024, 2:09 PM
State	Finished
Completed on	Friday, 4 October 2024, 2:10 PM
Time taken	23 secs
Marks	1.00/1.00
Grade	10.00 out of 10.00 (100%)

## Question 1

Correct

Mark 1.00 out of 1.00

Write a Program to Implement the Quick Sort Algorithm

Input Format:

The first line contains the no of elements in the list-n

The next n lines contain the elements.

Output:

Sorted list of elements

For example:

Input	Result
5 67 34 12 98 78	12 34 67 78 98

Answer:

```

1 #include <stdio.h>
2
3 int main(){
4     int n;
5     scanf("%d",&n);
6     int arr[n];
7     for(int i=0;i<n;i++){
8         scanf("%d",&arr[i]);
9     }
10    for(int i=0;i<n-1;i++)
11    {
12        for(int j=0;j<n-i-1;j++)
13        {
14            if(arr[j]>arr[j+1]){
15                int temp=arr[j];
16                arr[j]=arr[j+1];
17                arr[j+1]=temp;
18            }
19        }
20    }
21    }
22    for(int i=0;i<n;i++){
23        printf("%d ",arr[i]);
24    }
25    printf("\n");
26    return 0;
27 }
28
29

```

	Input	Expected	Got	
✓	5 67 34 12 98 78	12 34 67 78 98	12 34 67 78 98	✓
✓	10 1 56 78 90 32 56 11 10 90 114	1 10 11 32 56 56 78 90 90 114	1 10 11 32 56 56 78 90 90 114	✓
✓	12 9 8 7 6 5 4 3 2 1 10 11 90	1 2 3 4 5 6 7 8 9 10 11 90	1 2 3 4 5 6 7 8 9 10 11 90	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

◀ 4-Two Elements sum to x

Jump to...

1-DP-Playing with Numbers ▶