

VARSHINI S 2024-CSE ▾**V2****Started on** Wednesday, 17 September 2025, 8:58 AM**State** Finished**Completed on** Friday, 3 October 2025, 12:16 PM**Time taken** 16 days 3 hours**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	12 34 67 78 98
67 34 12 98 78	

Answer:

```

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

	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 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.

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