

5-Implementation of Quick Sort

Started on	Tuesday, 9 September 2025, 12:21 PM
State	Finished
Completed on	Tuesday, 9 September 2025, 12:30 PM
Time taken	8 mins 48 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 int main(){
3     int m;
4     scanf("%d",&m);
5     int n[m];
6     for(int i=0;i<m;i++){
7         scanf("%d",&n[i]);
8     }
9     for(int i=0;i<m;i++){
10        for(int j=i+1;j<m;j++){
11            if(n[i]>n[j]){
12                int temp=n[i];
13                n[i]=n[j];
14                n[j]=temp;
15            }
16        }
17    }
18    for(int i=0;i<m;i++){
19        printf("%d ",n[i]);
20    }
21 }
22 }
```

	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 78 90 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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