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Utility codes for quick start ([https://helpcenter.mymapit.in/?page\\_id=871](https://helpcenter.mymapit.in/?page_id=871))

## Section - 1

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Print the sorted array(of size N + M) in a single row, separated by a single space.

Output is to be printed in a separate line.

### Constraints :

$$0 \leq N \leq 10^5$$

$$0 \leq M \leq 10^5$$

### Sample Input 1:

5

1 3 4 7 11

4

2 4 6 13

### Sample Output 1 :

1 2 3 4 4 6 7 11 13

Sample Input

C (gcc 4.8.3) ▼



► Compile & Run

O/P »

```

1  #include<stdio.h>
2  int main(){
3      // input
4      int n;
5      scanf("%d",&n);
6      int arr1[n];
7      int i;
8      for(i=0; i < n; i++)
9          scanf("%d",&arr1[i]);
10     int m;
11     scanf("%d",&m);
12     int arr2[m];
13     for(i=0; i<m; i++)
14         scanf("%d",&arr2[i]);
15
16     // create merge these 2 arrays and sort it
17     int arr3[n+m];
18     int index = 0;
19     for(i = 0; i < n; i++) arr3[index++] = arr1[i];
20     for(i = 0; i < m; i++) arr3[index++] = arr2[i];
21
22     int rounds,j;
23     for(rounds=1; rounds <= (n+m)-1; rounds++){
24         for(j = 0; j <= (n+m) - rounds - 1; j++){
25             if(arr3[j] > arr3[j+1]){
26                 int temp = arr3[j];
27                 arr3[j] = arr3[j+1];
28                 arr3[j+1] = temp;
29             }
30         }
31     }
32
33     // print final array3
34     for(i=0; i < n+m; i++)
35         printf("%d ",arr3[i]);
36 }
37
38
```

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