

 KLU Y19 23 - CSIP - PHASE - 1 (/course/view/6111c91c03d2360e28dd7cb9)  
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 / Merge two sorted Arrays

## Merge two sorted Arrays

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[Score: 10]

<b>PROBLEM STATEMENT</b>	Given two sorted arrays, The task is to merge the two sorted arrays into one sorted array (in non-decreasing order).
<b>INPUT FORMAT</b>	<p>First line contains an integer T, denoting the number of test cases.</p> <p>First line of each test case contains two space separated integers X and Y, denoting the size of the two sorted arrays.</p> <p>Second line of each test case contains X space separated integers, denoting the first sorted array P.</p> <p>Third line of each test case contains Y space separated integers, denoting the second array Q.</p>
<b>OUTPUT FORMAT</b>	For each test case, print (X + Y) space separated integer representing the sorted array
<b>CONSTRAINTS</b>	<p><math>1 \leq T \leq 100</math></p> <p><math>1 \leq X, Y \leq 10^4</math></p> <p><math>0 \leq P[], Q[] \leq 10^9</math></p>
<b>COMPLEXITIES</b>	<p>Per Test Expected Time Complexity: <b><math>O(X+Y)</math></b></p> <p>Per Test Expected Space Complexity :<b><math>O(1)</math></b></p>

SAMPLE INPUT	SAMPLE OUTPUT	EXPLANATION
1 2 3 0 2 1 3 4	0 1 2 3 4	

## Example Input - Output

## Code

Language:

PYTHON3  

```

1 def mergeAndPrintSorted(a, b):
2     c=a+b
  
```

```
3 c.sort()
4 for i in c:
5     print(i,end=" ")
6
```

☐ Test against custom input[Submit Code](#)

## Discussion

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