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Given two sorted integer arrays A and B, merge B into A as one sorted array.

“ Note: You have to modify the array A to contain the merge of A and B. Do not output anything in your code.

TIP: C users, please malloc the result into a new array and return the result. ”

If the number of elements initialized in A and B are m and n respectively, the resulting size of array A after your code is executed should be $m + n$

Example :

Input :

A : [1 5 8]

B : [6 9]

Modified A : [1 5 6 8 9]