**Problem**

Given two integer arrays A1[ ] and A2[ ] of size N and M respectively. Sort the first array A1[ ] such that all the relative positions of the elements in the first array are the same as the elements in the second array A2[ ].

See example for better understanding.

Note: If elements are repeated in the second array, consider their first occurance only

**Sample input:**

N = 11

M = 4

A1[] = {2, 1, 2, 5, 7, 1, 9, 3, 6, 8, 8}

A2[] = {2, 1, 8, 3}

**Sample output :**

2 2 1 1 8 8 3 5 6 7 9

Array elements of A1[] are

sorted according to A2[]. So 2 comes first

then 1 comes, then comes 8, then finally 3

comes, now we append remaining elements in

sorted order.

Your task is to complete the function sortA1ByA2() which takes the array A1[ ], array A2[ ] and their respective size N and M as input parameters and returns the sorted array A1[ ] such that the relative positions of the elements in A1[ ] are same as the elements in A2[ ]. For the elements not present in A2[ ] but in A1[ ], it appends them at the last in increasing order.