Merge sorted Array

nums$[1, 2, 3, 0, 0, 0]$ nums2 $= [2, 5, 6]$
        m n

       num1 and num2 $= [1, 2, 2, 3, 5, 6]$

     → first merge them, then sort.

int[ ] merged array = new int [arr.length + arr2.length]

    // Use forloop to Populate array

     for (int i=0 ; i < arr1.length; i++)

        merged array [i] = array1[i];

   // all the elements of array 1 moved to merged array.

     for (int i=0 ; i < arr2.length; i++)

   merged array [i + arr1.length] = array2[i];

      // [1, 2, 3, 0, 0, 0, | Elements of | arr2]

      then Arrays.Sort ( ); or bubble sort

This approach doesn't work!

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nums1 $= [1, 2, 3, 0, 0, 0]$ → Size = 3
           2   m   [2']   → merge from here
                   → ignore zero. // Empty space.

nums2 $= [2, 5, 6]$ → Size = 3

idea is to take nums2 add in nums 1

new Code

nums 1 last element $= m-1$
nums 2 last element $= n-1$

last position in nums1 $= m + n - 1$

while (j >= 0)
num1 is exhausted or num2 element >
                           num1 element
if (i < 0 || nums [j] > num[i]

mums1 [k--] = nums[j--]

Else
   nums1 [k--] = nums1 [i--]