**Sort an array of 0s, 1s and 2s | Dutch National Flag problem**

Given an array of size N containing only 0s, 1s, and 2s; sort the array in ascending order.

**Example 1:**

**Input:**

N = 5

arr[]= {0 2 1 2 0}

**Output:**

0 0 1 2 2

**Explanation:**

0s 1s and 2s are segregated

into ascending order.

**Example 2:**

**Input:**

N = 3

arr[] = {0 1 0}

**Output:**

0 0 1

**Explanation:**

0s 1s and 2s are segregated

into ascending order.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **sort012()**that takes an array arr and N as input parameters and **sorts the array in-place.**

**Expected Time Complexity:**O(N)  
**Expected Auxiliary Space:** O(1)

**Constraints:**  
1 <= N <= 10^6  
0 <= A[i] <= 2