

# Sort an array of 0s, 1s and 2s

**Problem Statement:** Given an array consisting of only 0s, 1s and 2s. Write a program to in-place sort the array without using inbuilt sort functions. ( Expected: Single pass- $O(N)$  and constant space)

## Example 1:

```
Input: nums = [2,0,2,1,1,0]
```

```
Output: [0,0,1,1,2,2]
```

```
Input: nums = [2,0,1]
```

```
Output: [0,1,2]
```

```
Input: nums = [0]
```

```
Input: nums = [0]
```

**Disclaimer:** Don't jump directly to the solution, try it out yourself first.