

LeetCode

Day-03 Q-01: Shuffle the Array

Given the array `nums` consisting of $2n$ elements in the form $[x_1, x_2, \dots, x_n, y_1, y_2, \dots, y_n]$.

Return the array in the form $[x_1, y_1, x_2, y_2, \dots, x_n, y_n]$.

Example 1:

Input: `nums = [2,5,1,3,4,7]`, `n = 3`

Output: `[2,3,5,4,1,7]`

Explanation: Since $x_1=2$, $x_2=5$, $x_3=1$, $y_1=3$, $y_2=4$, $y_3=7$ then the answer is `[2,3,5,4,1,7]`.

Example 2:

Input: `nums = [1,2,3,4,4,3,2,1]`, `n = 4`

Output: `[1,4,2,3,3,2,4,1]`

Example 3:

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

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