

@LeetCode

Given an array `nums` of  $n$  integers, are there elements  $a, b, c$  in `nums` such that  $a + b + c = 0$ ?

Find all unique triplets in the array which gives the sum of zero.

**Note:**

The solution set must not contain duplicate triplets.

**Example:**

Given array `nums = [-1, 0, 1, 2, -1, -4]`,

A solution set is:

```
[  
  [-1, 0, 1],  
  [-1, -1, 2]  
]
```