Given an integer array nums, return all the triplets

[nums[i], nums[j], nums[k]]

such that **i != j, i != k, and j != k,** and

**nums[i] + nums[j] + nums[k] == 0**

Notice that the solution set must not contain duplicate triplets.

**Example 1:**

Input: nums = [-1,0,1,2,-1,-4]

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

**Example 2:**

Input: nums = []

Output: []

**Example 3:**

Input: nums = [0]

Output: []