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Find All Triplets with Zero Sum □

Difficulty: Medium Accuracy: 50.36% Submissions: 54K+ Points: 4

Given an array **arr**[], find all possible triplets **i**, **j**, **k** in the **arr**[] whose sum of elements is equals to **zero**.

Returned triplet should also be internally sorted i.e. i<j<k.

Examples:

Input: arr[] = [0, -1, 2, -3, 1]

Output: [[0, 1, 4], [2, 3, 4]]

Explanation: Triplets with sum 0 are:

$$arr[0] + arr[1] + arr[4] = 0 + (-1) + 1 = 0$$

$$arr[2] + arr[3] + arr[4] = 2 + (-3) + 1 = 0$$

Input: arr[] = [1, -2, 1, 0, 5]

Output: [[0, 1, 2]]

Explanation: Only triplet which satisfies the condition is arr[0] + arr[1]

+ arr[2] = 1 + (-2) + 1 = 0

Input: arr[] = [2, 3, 1, 0, 5]

