

Count pairs with given sum

Difficulty: Easy

Accuracy: 50.11%

Submissions: 38K+

Points: 2

Given an array `arr[]` and an integer `target`. You have to find numbers of pairs in array `arr[]` which sums up to given `target`.

Examples:

Input: `arr[] = [1, 5, 7, -1, 5]`, `target = 6`

Output: 3

Explanation: Pairs with sum 6 are (1, 5), (7, -1) and (1, 5).

Input: `arr[] = [1, 1, 1, 1]`, `target = 2`

Output: 6

Explanation: Pairs with sum 2 are (1, 1), (1, 1), (1, 1), (1, 1), (1, 1), (1, 1).

Input: `arr[] = [10, 12, 10, 15, -1]`, `target = 125`

Output: 0

Constraints:

Java (1.8)

Average Time: 15m

Start Timer

```
1 // } Driver Code Ends
2
3 class Solution {
4     int countPairs(int arr[], int target) {
5         HashMap<Integer, Integer> freqMap = new HashMap<>();
6         int count = 0;
7         for (int num : arr) {
8             int complement = target - num;
9             if (freqMap.containsKey(complement)) {
10                 count += freqMap.get(complement);
11             }
12             freqMap.put(num, freqMap.getOrDefault(num, 0) + 1);
13         }
14         return count;
15     }
16 }
17 // } Driver Code Ends
```

[Custom Input](#)

Compile & Run

Submit