Problem | Editorial | Submissions

Two Sum - Pair with Given Sum

Difficulty: **Easy** Accuracy: **30.61%** Submissions: **342K+** Points: **2**

Given an array **arr[]** of positive integers and another integer **target**. Determine if there exists two distinct indices such that the sum of there elements is equals to **target.**

Examples:

Input: arr[] = [1, 4, 45, 6, 10, 8], target = 16
Output: true
Explanation: arr[3] + arr[4] = 6 + 10 = 16.

Input: arr[] = [1, 2, 4, 3, 6], target = 11
Output: false
Explanation: None of the pair makes a sum of 11.

Input: arr[] = [11], target = 11
Output: false
Explanation: No pair is possible as only one element is present in arr[].

Java (1.8) Average Time: 20m Start Timer

```
// } Driver Code Ends
class Solution {
    boolean twoSum(int arr[], int target) {
        HashSet<Integer> seen = new HashSet<>();
        for (int num : arr) {
            int complement = target - num;
            if (seen.contains(complement)) {
                return true;
            }
            seen.add(num);
        }
        return false;
    }
}
```

Custom Input | Compile & Run | Submit