

170. Two Sum III - Data structure design

Easy 262 213 Add to List Share

Design and implement a `TwoSum` class. It should support the following operations: `add` and `find`.

`add` - Add the number to an internal data structure.

`find` - Find if there exists any pair of numbers which sum is equal to the value.

Example 1:

```
add(1); add(3); add(5);
find(4) -> true
find(7) -> false
```

Example 2:

```
add(3); add(1); add(2);
find(3) -> true
find(6) -> false
```

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Seen this question in a real interview before?

Yes

No

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```
1 class TwoSum(object):
2
3     def __init__(self):
4         """
5         Initialize your data
6         structure here.
7         """
8
9     def add(self, number):
10        """
11        Add the number to an
12        internal data structure..
13        :type number: int
14        :rtype: None
15        """
16
17    def find(self, value):
18        """
19        Find if there exists any
20        pair of numbers which sum is equal
21        to the value.
22        :type value: int
23        :rtype: bool
24        """
25
26    # Your TwoSum object will be
27    # instantiated and called as such:
28    # obj = TwoSum()
29    # obj.add(number)
30    # param_2 = obj.find(value)
```