

# Problem 371: Sum of Two Integers

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 54.58%

**Paid Only:** No

**Tags:** Math, Bit Manipulation

## Problem Description

Given two integers `a` and `b`, return \_the sum of the two integers without using the operators\_ `+` \_and\_ `-`.

**Example 1:**

**Input:** a = 1, b = 2 **Output:** 3

**Example 2:**

**Input:** a = 2, b = 3 **Output:** 5

**Constraints:**

\* ` -1000 <= a, b <= 1000`

## Code Snippets

**C++:**

```
class Solution {
public:
    int getSum(int a, int b) {
        }
};
```

**Java:**

```
class Solution {  
    public int getSum(int a, int b) {  
        }  
        }
```

**Python3:**

```
class Solution:  
    def getSum(self, a: int, b: int) -> int:
```