

5997. Find Three Consecutive Integers That Sum to a Given Number

My Submissions (/contest/biweekly-contest-72/problems/find-three-consecutive-integers-that-sum-to-a-given-number/submissions/)

Back to Contest (/contest/biweekly-contest-72/)

Given an integer `num` , return *three consecutive integers (as a sorted array) that **sum** to `num`* . If `num` cannot be expressed as the sum of three consecutive integers, return an **empty** array.

Example 1:




Input: `num = 33`
Output: `[10,11,12]`
Explanation: 33 can be expressed as 10 + 11 + 12 = 33.
10, 11, 12 are 3 consecutive integers, so we return `[10, 11, 12]`.

Example 2:

Input: `num = 4`
Output: `[]`
Explanation: There is no way to express 4 as the sum of 3 consecutive integers.

Constraints:


- 0 <= num <= 10¹⁵

JavaScript   

```
1 const sumOfThree = (x) => {
2   if (x % 3 !== 0) return [];
3   let m = x / 3;
4   return [m - 1, m, m + 1];
5 };
```

☐ Custom Testcase

Use Example Testcases

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