1. Two Sum

Given an array of integers `nums` and an integer `target`, return *indices of the two numbers such that they add up to* `target`.

You may assume that each input would have ***exactly* one solution**, and you may not use the *same* element twice.

You can return the answer in any order.

Example 1:

```
Input: nums = [2,7,11,15], target = 9
Output: [0,1]
Output: Because nums[0] + nums[1] == 9, we return [0, 1].
```

Example 2:

```
Input: nums = [3,2,4], target = 6
Output: [1,2]
```

Example 3:

```
Input: nums = [3,3], target = 6
Output: [0,1]
```

Constraints:

- `2 <= nums.length <= 10<sup>4</sup>`
- `-10<sup>9</sup> <= nums[i] <= 10<sup>9</sup>`
- `-10<sup>9</sup> <= target <= 10<sup>9</sup>`
- **Only one valid answer exists.**

```python
class Solution:
    def twoSum(self, nums: List[int], target: int) -> List[int]:
        freq={}
        for i,ele in enumerate(nums):
            if target-ele in freq:
                return (i,freq[target-ele])
            else:
                freq[ele] = i
```