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1. Two Sum

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Given an array of integers, return **indices** of the two numbers such that they add up to a specific target.

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

Example:

Given nums = [2, 7, 11, 15], target = 9,

Because nums[0] + nums[1] = 2 + 7 = 9,
return [0, 1].

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```
1 class Solution(object):
2     def twoSum(self, nums, target):
3         """
4         :type nums: List[int]
5         :type target: int
6         :rtype: List[int]
7         """
8
```

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