

1. Two Sum

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

Example: Input: `nums = [2, 7, 11, 15]`, `target = 9` Output: `[0, 1]`

Explanation: `nums[0] + nums[1] = 2 + 7 = 9`

Code

```
class Solution {
    public int[] twoSum(int[] nums, int target) {
        Map<Integer,Integer> m=new HashMap();
        for(int i=0;i<nums.length;i++){
            if(!m.containsKey(nums[i])){
                m.put(target-nums[i],i);
            }
            else {
                return new int[]{m.get(nums[i]),i};
            }
        }
        return null;
    }
}
```