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Leetcode Two sum problem solution

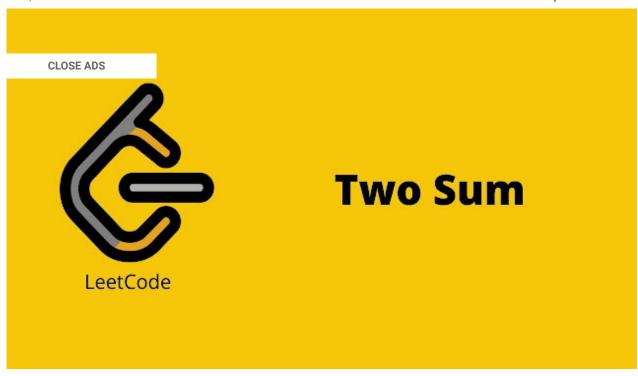
SYASH PAL O July 22, 2021

In this **Leetcode Two sum problem solution**, we have given an array of integers nums and an integer target. we need to return the indices of the two numbers such that they add up to the target.

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Problem solution in Python.

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```
Code
class Solution {
   public int[] twoSum(int[] nums, int target) {
    HashMap<Integer, Integer> map = new HashMap<>();
    int noToFind = 0;
    for(int i = 0; i < nums.length; i++)</pre>
        if (map.containsKey(nums[i]))
            int[] arr = {map.get(nums[i]), i};
            return arr;
        noToFind = target - nums[i];
        map.put(noToFind, i);
    return null;
```

Problem solution in C++.

```
Code
class Solution {
public:
```

```
vector<int> twoSum(vector<int>& nums, int target) {
        int n,i,j,ind,ind2;
    CLOSE ADS
                 ze();
        vector<int> ans;
        unordered map<int, int> mp;
        for (int i = 0; i < n; i++)
            if (mp.find(target - nums[i]) != mp.end())
                ans.push back(mp[target - nums[i]]);
                ans.push back(i);
                return ans;
            mp[nums[i]] = i;
        return ans;
} ;
```

Problem solution in C.

```
Code
int* twoSum(int* nums, int numsSize, int target, int* returnSize) {
   *returnSize=2;
   int *arr=(int *)malloc((*returnSize)*sizeof(int));
   for(int i=0;i<numsSize;i++) {
   for(int j=i+1;j<numsSize;j++) {</pre>
```

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```
if (nums[i]+nums[j]==target) {
    arr[0]=i;
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break;
}

return arr;
}
```

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① January 24, 2022 at 7:17 AM

Pretty sure there is a better way to do the two sum in C with a hash map

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