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Test Name:

**Mock Test** 

Taken On:

30 Oct 2021 08:02:15 IST

Time Taken:

0 min 24 sec/ 25 min

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Invited on:

30 Oct 2021 08:02:07 IST

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Skills Score:

Tags Score:

 Algorithms
 50/75

 Core CS
 50/75

 Medium
 50/75

 Search
 50/75

problem-solving 50/75

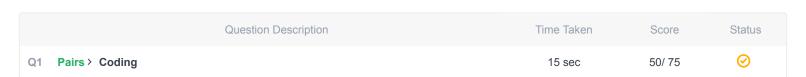
66.7% 50/75

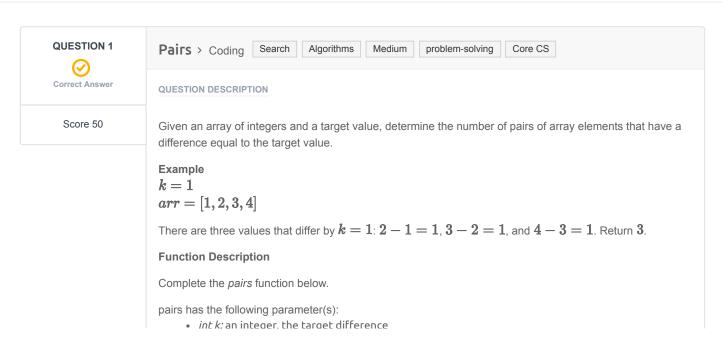
scored in **Mock Test** in 0 min 24 sec on 30 Oct 2021 08:02:15

IST

# **Recruiter/Team Comments:**

No Comments.





• int arr[n]: an array of integers

#### Returns

• int: the number of pairs that satisfy the criterion

### **Input Format**

The first line contains two space-separated integers n and k, the size of arr and the target value. The second line contains n space-separated integers of the array arr.

#### **Constraints**

- $2 \le n \le 10^5$
- $0 < k < 10^9$
- $0 < arr[i] < 2^{31} 1$
- ullet each integer arr[i] will be unique

## Sample Input

```
STDIN Function
----
5 2 arr[] size n = 5, k =2
1 5 3 4 2 arr = [1, 5, 3, 4, 2]
```

## **Sample Output**

3

### **Explanation**

There are 3 pairs of integers in the set with a difference of 2: [5,3], [4,2] and [3,1]. .

#### **CANDIDATE ANSWER**

## Language used: Python 3

```
1 #
2 # Complete the 'pairs' function below.
3 #
4 # The function is expected to return an INTEGER.
5 # The function accepts following parameters:
6 # 1. INTEGER k
7 # 2. INTEGER ARRAY arr
8 #
10 def pairs(k, arr):
     # Write your code here
     pair_list = []
     for i in range(len(arr)):
         for j in range( i+1,len(arr)):
              if abs(arr[i] - arr[j]) == k:
                  pair_list.append([arr[i],arr[j]])
      return(len(pair_list))
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Hidden case	Success	5	0.0424 sec	9.48 KB
Testcase 2	Easv	Hidden case	Success	5	0.0711 sec	9.43 KB

			0 000000		0.0 000	0.10112
Testcase 3	Easy	Hidden case	Success	5	0.0796 sec	9.5 KB
Testcase 4	Easy	Hidden case	Success	5	0.0469 sec	9.3 KB
Testcase 5	Easy	Hidden case	Success	5	0.1117 sec	9.49 KB
Testcase 6	Easy	Hidden case	Success	5	3.1962 sec	9.99 KB
Testcase 7	Easy	Hidden case	Success	5	3.5076 sec	10 KB
Testcase 8	Easy	Hidden case	Success	5	0.7813 sec	9.7 KB
Testcase 9	Easy	Hidden case	Success	5	2.6088 sec	9.78 KB
Testcase 10	Easy	Hidden case	Success	5	8.0034 sec	10.5 KB
Testcase 11	Easy	Hidden case	Terminated due to timeout	0	10.0093 sec	20.8 KB
Testcase 12	Easy	Hidden case	Terminated due to timeout	0	10.0045 sec	20.8 KB
Testcase 13	Easy	Hidden case	Terminated due to timeout	0	10.0029 sec	20.9 KB
Testcase 14	Easy	Hidden case	Terminated due to timeout	0	10.0025 sec	20.8 KB
Testcase 15	Easy	Hidden case	Terminated due to timeout	0	10.0058 sec	20.8 KB
Testcase 16	Easy	Sample case	Success	0	0.0363 sec	9.35 KB
Testcase 17	Easy	Sample case	Success	0	0.0501 sec	9.39 KB
Testcase	Easy	Sample case	Success	0	0.0374 sec	9.39 KB

No Comments

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