# **Divisible Sum Pairs**



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You are given an array of n integers,  $a_0, a_1, \ldots, a_{n-1}$ , and a positive integer, k. Find and print the number of (i, j) pairs where i < j and  $a_i + a_j$  is evenly divisible by k.

#### **Input Format**

The first line contains  ${f 2}$  space-separated integers,  ${m n}$  and  ${m k}$ , respectively.

The second line contains n space-separated integers describing the respective values of  $a_0, a_1, \ldots, a_{n-1}$ .

#### Constraints

- $2 \le n \le 100$
- $1 \le k \le 100$
- $1 \le a_i \le 100$

## **Output Format**

Print the number of (i,j) pairs where i < j and  $a_i$  +  $a_j$  is evenly divisible by k.

## Sample Input

6 3 1 3 2 6 1 2

## Sample Output

5

## Explanation

Here are the **5** valid pairs:

• 
$$(0,2) \rightarrow a_0 + a_2 = 1 + 2 = 3$$

• 
$$(0,5) o a_0 + a_5 = 1 + 2 = 3$$

• 
$$(1,3) \rightarrow a_1 + a_3 = 3 + 6 = 9$$

• 
$$(2,4) \rightarrow a_2 + a_4 = 2 + 1 = 3$$

• 
$$(4,5) \rightarrow a_4 + a_5 = 1 + 2 = 3$$

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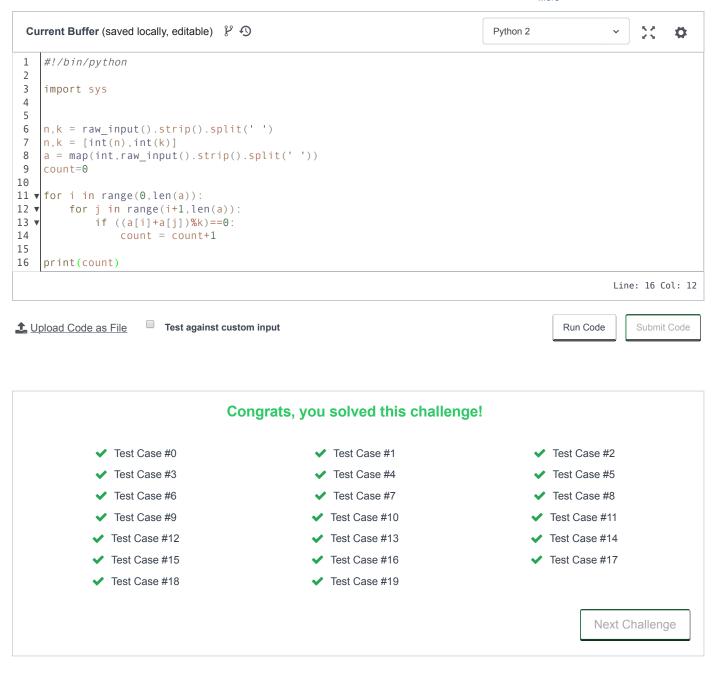
Max Score: 10

Difficulty: Easy

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