- **MEDIUM**
- **Max Score: 40 Points**

Pairs sum divisible by k

Given an array of N integers and an integer K, your task is to calculate the count of pairs whose sum is divisible by K.

Input Format

The first line of input contains two integers N and K, the next line contains N space-separated integers depicting values of an array.

Output Format

Print the count of required pairs

Example

Input

```
5 3
1 2 3 4 5
```

Output

```
4
```

Explanation

(1 5), (1 2), (2 4), and (4 5) are the required pairs

Constraints

```
1 < = N < = 100000
1 < = Arr[i] <= 100000
1 <= K <= 100000
```

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
        public static void main (String[] args) throws java.lang.Exception
        {
            //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int k=s.nextInt();
        int arr[]=new int[n];
        for(int i=0;i<n;i++)
          arr[i]=s.nextInt();
        int count=0;
        for(int i=0;i<n-1;i++)
        for(int j=i+1;j<n;j++)
          { int sum= arr[i]+arr[j];
```

```java
        if( sum%k==0) count++;
    }
    System.out.print(count);



    }
}
```