https://course.acciojob.com/idle?question=947763a1-6efa-4699-a26b-643b5c97d799

- EASY
- Max Score: 30 Points

Triplet Sum

You are given two integers `N` and `K`, the task is to count the number of triplets (a, b, c) of positive integers not greater than 'N' such that 'a + b', 'b + c', and 'c + a' are all completely divisible by 'K'. Note that 'a', 'b' and 'c' may or may not be the same in a triplet.

Note (1, 2, 1) and (1, 1, 2) are treated as different triplets

Input Format

The first line of input contains two integers representing `N` and `K`.

Output Format

Return the total number of triplet pairs such that they are all divisible by `K`.

Example 1

Input

```
3 4
```

Output:

```
1
```

Explanation:

We have just one pair of a,b and c i.e (2,2,2 respectively). So the ans is 1.

Example 2

Input

```
4 5
```

Output:

```
0
```

Explanation:

We dont have any pair of a,b and c. So the ans is 0.

Constraints

1 <= N,K <= 100

Topic Tags

- **Loops**

My code

```
// in 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 p=s.nextInt();
		int c=0;
		for(int i=1;i<=n;i++)
			for(int j=1;j<=n;j++)
				for(int k=1;k<=n;k++)
					{

if(((i+j)%p==0)&&((k+j)%p==0)&&((i+k)%p==0))
						{   c+=1;
						// System.out.print(i+" "+j+" "+k);
						}
					}
		System.out.print(c);
	}
}
```