Report of Homework#1

Q2:

```
Enter the size of the array:6
Enter the integer divisor:3
Enter the elements of the array:1
3
2
6
1
2

The divisible pairs are: 1 and 2 , 1 and 2 , 3 and 6 , 2 and 1 , 1 and 2 ,
The number of the divisible pairs: 5
-- program is finished running --
```

The program does not have the property of separating spaces from a string.

So, you need to input the asked things and "enter" , like you can see above in the example output.

- <u>C code of the loop for finding the divisible sum pairs:</u>

```c
int arr[6] = {1,2,3,4,5,6};
int i , j , n=6 , k=3 , count=0 ;

for(i=0; i<n-1 ;i++){
    for(j=i+1 ;j<n ;j++){
        if((arr[i]+arr[j]%k)==0){
            count++;
        }
    }
}
printf("number of divisible sum pairs: %d",count);
```