

## Task 1

1)

write a program that execute a function called checkFunction ..checkFunction will receive an array from the main function  
array size and numbers should be entered by the user..  
1.check if each number if that array is prim or not.  
2.sort the even number from the left and odd from the right.  
3.check if there any negative number in that array replace that number with 0

```
(kali㉿kali)-[~/Desktop/miine]
$ gcc task1.c -o test1

(kali㉿kali)-[~/Desktop/miine]
$ ./test1
Enter the size of array: 5
enter 5 numbers 4 5 6 7 8
prim

4 is not prime
5 is prime
6 is not prime
7 is prime
8 is not prime
sorting
      4      8      6      7      5
checking if there is negative number
negative number in array is 0

(kali㉿kali)-[~/Desktop/miine]
$
```

2)

Write a program which accepts a text from the user.  
1.text should be passing through function called myString  
2.mySring function should be return the size of that text also  
3.count upper ,lower case and other characters of that text  
4.prints each word of that text in separate line

```
(kali㉿kali)-[~/Desktop/miine]
$ gcc task1.2.c -o test1.2

(kali㉿kali)-[~/Desktop/miine]
$ ./test1.2
Enter an string :I'm Ali Abdo Ali 2030
I'm
Ali
Abdo
Ali
2030

number of lower case is :8
number of upper case is :4
number of other char is :10
size is 22

(kali㉿kali)-[~/Desktop/miine]
$
```