

Word counter

You are given a rectangular table filled with characters and a `word`. Your task is to count the occurrences of the `word` in the table. The word can be found horizontally, vertically and across both left to right and right to left.

For example:

find the word `ivan` in the table:

i	v	a	n
e	v	n	h
i	n	a	v
m	v	v	n
q	r	i	t

Result:

3

Here's a boilerplate for the main method:

```
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String searched = scanner.next();
        char [][] map;
        int n,m;
        n = scanner.nextInt();
        m = scanner.nextInt();
        map = new char[n][m];
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < m; j++) {
                map[i][j] = scanner.next().charAt(0);
            }
        }

        // Print result here
    }
}
```

Example inputs:

Example 1:

```
ivan
5 4
```

```
i v a n  
e v n h  
i n a v  
m v v n  
q r i t
```

Should print:

3

Example 2:

```
actually  
8 15  
i v a n q h r e z g t z o y m  
e v n h t r x e k y d a i l c  
i a c t u a l l y m c x r l e  
m v c n p u a m n t l u e a a  
q r i t w e a q u p r x t u z  
p e a c t u a l l y w p y t m  
o y h t r e l u f p q n z c s  
p a c t u a l l y u r e q a r
```

Should print:

4

Example 3:

```
madam  
8 12  
z v a n q h r e z g t z  
e v m h t r x e k y m a  
i a c a u a l l y a c x  
m v c n d u a m d t l u  
q t i t w a a a u p r x  
p e m a d a m l l y w p  
o y h t e e l u f p q n  
p a c t u a l l y u r e
```

Should print:

3

Note: this should print 3, not 6