

```
1 // 8.12
2 #include <stdio.h>
3
4 int main(void)
5 {
6     char line[1001], ch;
7     int count = 0, i;
8
9     printf("Enter a line of text:\n");
10    scanf(" %[\n]", line);
11
12    printf("Enter a character: ");
13    scanf(" %c", &ch);
14
15    for(i=0; line[i] != '\0'; ++i){
16        if( line[i] == ch ) count ++;
17    }
18
19    printf("Number of occurrences of %c in the line is %d\n", ch, count);
20
21    return 0;
22 }
23
24
```