

Solutions

Only the solutions we discussed on the practical will be here. All the other tasks are perfect to practice for the written exam.

Character count

```
#include<stdio.h>

int count(char w[], char c) {
    int i;
    int s = 0;
    for(i = 0; w[i] != '\0'; i++) {
        if(w[i] == c) {
            s++;
        }
    }
    return s;
}

int main(void) {
    char c = 'l';
    char str[] = "paprika";
    printf("The character %c appears %d times in the string %s.\n", c, count(str, c), str);
    return 0;
}
```

Most common character

```
#include<stdio.h>

int count(char w[], char c) {
    int i;
    int s = 0;
    for(i = 0; w[i] != '\0'; i++) {
        if(w[i] == c) {
            s++;
        }
    }
    return s;
}

char common(char s[]) {
    int i;
    int n = 0;
    char comm = s[0];
    for(i = 0; w[i] != '\0'; i++) {
        if(count(s, s[i]) > n) {
            comm = s[i];
            n = count(s, s[i]);
        }
    }
    return comm;
}

int main(void) {
    char c = 'l';
    char str[] = "paprika";
    printf("The character %c appears %d times in the string %s.\n", c, count(str, c), str);
    return 0;
}
```