

```

#include <stdio.h>
#include <string.h>
#include <ctype.h>
/* warm up exercises for class 05 -- addresses and memory */

int my_strlen(char s[]);
void count_upper_case();
void add_to_day();
void string_subtract();
void copy_string();
#define LEN 200

int main()
{
    count_upper_case();
    add_to_day();
    string_subtract();
    copy_string();
}

/* this function is not incorrect, but it is poor design. why? */
void count_upper_case()
{
    int    i, ncaps;
    char line[LEN];

    printf("enter a string of text: ");
    fgets(line, LEN, stdin);

    for( ncaps = 0, i = 0; i < strlen(line) ; i++ )
        if ( isupper(line[i]) )
            ncaps++;
    printf("that line has %d upper case letters.\n\n", ncaps);
}

/* **** PREDICT : the output of these functions */
void add_to_day()
{
    int    ans = strlen( "Wednesday" + 3 );

    printf("length of \"Wednesday\" + 3 is %d\n\n", ans);
}

void string_subtract()
{
    int    ans = "three" - "one";
    printf("three - one is %d\n\n", ans);
}

void copy_string()
{
    char  a[] = "short";
    char  b[] = "a longer string of chars";

    strcpy(a, b);
    printf("a = \"%s\"\n", a);
    printf("b = \"%s\"\n", b);
}

```