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# include <stdio.h>
# include "identifiers.h"
/*
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    This is my solution to Lab2 of eecs2031 in order to correct the errors in
    four functions so that they can compile as what they are supposed to.
*/

/* you may wish to remove the following lines */
/*
#pragma GCC diagnostic ignored "-Wpointer-sign"
#pragma GCC diagnostic ignored "-Wdangling-else"
#pragma GCC diagnostic ignored "-Wempty-body" */

/* Q1.convert a temperature in F to it in C */
float fahrenheit2celsius(const float f)
{
    return 5.0 / 9.0 * (f - 32);
    /*let 5/9 be float.*/
}

/* Q2. convert a temperature in C to F */
float celsius2fahrenheit(const float c)
{
    return (c * 9.0 / 5.0) + 32;
    /*let 9/5 be float.*/
}

/* Q3. reverse the elements in an array of int's in place */
void reverse_elements(int vals[], int count)
{
    int i;
    /*the time of the swap should be count/2.*/
    for(i=0;i<count/2;i++){
        int t = vals[i];
        vals[i] = vals[count-1-i];
        vals[count-1-i] = t;
    }
}

/* Q4. Count the number of '*' in the string given */
int count_stars(const char *s)
{
    int count = 0;
    for(;*s;s++){
        {
            if(*s == '*')
                count++;
        }
    }
    return count;
}
```