

```
/**
 *
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 * identifiers.c - This is my solution to the second lab of eecs2031.
 *
 * For Q1 and Q2 we needed to change the int values to doubles so they could
 * divide appropriately. Q2 had the wrong equation as well.
 *
 * For Q3, instead of going through the whole array, we went through half of it
 * since it would sort everything by half way. If it were allowed to run to
 * through the whole array, it would return the array to its original state.
 *
 * For Q4 we had to let the loops continue instead of terminating them at the
 * end of the line.
 */

# include <stdio.h>
# include "identifiers.h"

/* 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-32.0);
}

/* Q2. convert a temperature in C to F */
float celsius2fahrenheit(const float c)
{
    return 32.0 + (c * 9.0 / 5.0);
}

/* Q3. reverse the elements in an array of int's in place */
void reverse_elements(int vals[], int count)
{
    int i;
    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;
}
```