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/**  
*  
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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 appropriatley. 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;  
}
```