

```
# 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"

/*This is work was done by Yusuf Adisaputro, 213533088*/

/* Q1.convert a temperature in F to it in C */
float fahrenheit2celsius(const float f)
{
    float step1 = 32.0f;
    float step2 = 5.0f;
    float step3 = 9.0f;
    float answer;

    answer = f - step1;
    answer = answer*step2;
    answer = answer/step3;
    return answer;
}

/* Q2. convert a temperature in C to F */
float celsius2fahrenheit(const float c)
{
    float step1 = 9.0f;
    float step2 = 5.0f;
    float step3 = 32.0f;
    float answer;

    answer = c * step1;
    answer = answer/step2;
    answer = answer+step3;

    return answer;
}

/* Q3. reverse the elements in an array of int's in place */
void reverse_elements(int vals[], int count)
{
    int i;
    int newCounter = 0;
    int tmp[count];
    for (i = count-1; i >= 0; i = i-1){
        tmp[newCounter] = vals[i];
        newCounter = newCounter+1;
    }
    for (i = 0; i < count; i = i+1){
        vals[i] = tmp[i];
    }
}

/* Q4. Count the number of '*' in the string given */
int count_stars(const char *s)
{
    int i;
    int counter;
    counter = 0;
```

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    i = 0;
    while(s[i] != '\0'){
        if(s[i] == '*'){
            counter = counter + 1;
        }
        i = i + 1;
    }
    return counter;
}
```