Practice Problem - Modify

```
Before the function, the values in the array stats are:
average = 0.00,
sum = 0.00

After the function, the values in the array stats are
average = 67.50,
sum = 405.00

Press any key to continue . . . _
```

- Declare two arrays:
- An array of test scores:

```
scores=[70,80,60,45,95,55] Read this data from a file and use EOF!
```

 An empty array that will store the average and sum values calculated in a function

- A function will calculate the average and the sum of these values
- From the main, print the average and sum (the values in the stats array) before the function
- After the function, print the average and sum from the main

```
⊟#include <stdio.h>
#include <stdlib.h>
 //Function
 void function1(double[], double[], int);
□int main()
     //Create pointer
    FILE *infile;
     infile = fopen("scores.txt", "r");
     //Read data and save into an array
     int i = 0, status = 1, count = 0;
                                                                                            □void function1(double stats[], double scores[], int count)
     double scores[50];
                                                                                                  int j;
                                                                                                  double sum = 0.0;
     while (status != EOF)
                                                                                                  //Get sum
         status = fscanf(infile, "%lf", &scores[i]);
                                                                                                  for (j = 0; j < count; j = j + 1)
        if (status == EOF)
                                                                                                       sum = sum + scores[j];
            break;
                                                                                                  stats[0] = sum/count;
         i++;
                                                                                                  stats[1] = sum;
         count++;
     //Declare array and assign values
     double stats[2] = { 0, 0 };
     //Print values before function
     printf("\nBefore the function, the values in the array stats are: \naverage = %.2lf, \nsum = %.2lf\n", stats[0], stats[1]);
     //Function call
     function1(stats, scores, count);
    //Print values after function
     printf("\nAfter the function, the values in the array stats are \nerage = %.21f, \n = %.21f\n', stats[0], stats[1]);
```