

sumAvg.cpp

```
1 /*****
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4  * ASSIGNMENT 1 : Functions and Arrays
5  * CLASS        : CS1A
6  * SECTION      : MW 7:30PM
7  * DUE DATE     : 02/15/19
8  *****/
9
10 /*****
11  * This function will find the sum or average of all nums in an array of type
12  * float
13  * -----
14  * INPUT:
15  *       token    - menu option chosen
16  *       ar3[]    - float array
17  *       AR_SIZE  - size of array
18  * OUTPUT:
19  *       avg or sum
20  *
21  *****/
22 #include "header.h"
23
24 float sumAvg(menuoption token, float ar3[], const int AR_SIZE)
25 {
26     int index; //CALC - used in for loop
27     float sum; //CALC - sum of all values in ar3[]
28     float avg; //CALC - avg of all values in ar3[]
29
30     sum = 0;
31
32     for(index = 0; index < AR_SIZE; index++)
33     {
34         sum += ar3[index];
35     }
36
37     if(token == AVERAGE)
38     {
39         avg = sum/AR_SIZE;
40         return(avg);
41     }
42     else
43     {
44         return(sum);
45     }
46 }
47
48
49
```