

search.cpp

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1 /*****
2  * AUTHOR      : Faris Hijazi
3  * STUDENT ID   : 1039438
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 search the an array of type string for a specified string
12  * and return the index of the match if found
13  * -----
14  * INPUT:
15  *      token      - menu option chosen
16  *      ar1[]      - string array
17  *      AR_SIZE    - size of array
18  *      userInput  - user inputed search item
19  * OUTPUT:
20  *      index      - index returned is that of the matched string
21  *      found      - true if match false otherwise
22  *****/
23 #include "header.h"
24
25 int search(menuoption token, string ar1[], const int AR_SIZE, string userInput, bool &found)
26 {
27     int index; //CALC & OUT - used in while loop and returned
28
29     index = 0;
30     found = false;
31
32     while(!found && index < AR_SIZE)
33     {
34         if(ar1[index] == userInput)
35         {
36             found = true;
37             cout << "Found\n";
38         }
39         else
40         {
41             index++;
42         }
43     }
44
45     if(!found)
46     {
47         cout << userInput << "was not found.\n";
48     }
49
50     return(index);
51 }
52
```