```cpp
 1 /***********************************************
 2  * PROGRAMMER : Ali Eshghi
 3  * STUDENT ID : 1112261
 4  * CLASS      : CS1B
 5  * SECTION    : MW 7:30pm
 6  * Assign #1  : Functions and arrays
 7  * DUE DATE   : 19 September 2019
 8  **********************************************/
 9 #include "MyHeader.h"
10
11 /*************************************************************************
12  * Function : SearchName
13  * --------------------------------------------------------------------------
14  * This function prompts the user that who is the user searching for and uses
15  * while loop and an boolean expression to check the name array and if the name
16  * was found, returns the index of the array to be used in the parallel arrays
17  * and if the name was not found, lets the user know
18  *************************************************************************/
19
20 int SearchName(string nameAr[],const int AR_SIZE)
21 {
22
23     /*************
24      * VARIABLES *
25      *************/
26
27     int index;           // PROCESS - used for the for loop
28     string searchName;   // IN & PROCESS - user input and used for the search
29     bool searchStat;// PROCESS - changes if the name was found
30
31     //initializing the boolean expression to true
32     searchStat = true;
33
34     //initializing the index to zero to be used in the while loop
35     index = 0;
36
37     //Prompts the user for for who is he/she searching for.
38     cin.ignore(1000,'\n');
39     cout << "\nWho do you want to search for (enter done to exit) :  ";
40     getline(cin,searchName);
41
42
43     //uses the while loop to check if the name was found and
44     //if the index has reached the array length.
45     while (searchStat && index <= AR_SIZE)
46     {
47         //if statement to see if the name assigned to the index of the
48         //array matches the searched name
49         if (searchName == nameAr[index])
50         {
51             //changes when the name is found
52             searchStat = false;
53         }//End of if statement
54
55         //else statement for if the name was not match with the array,
```

```
56          // element index, then increments the index.
57          else
58          {
59              index++;
60          }//end of else statement
61
62      }//end of while loop
63
64
65      //if statement to print out the not found name and lets the user know that
66      //there is no matching name in the list with the searched name.
67      if (searchStat == true)
68      {
69          cout << searchName << " was not found." << endl << endl;
70          index = 11;
71      }//end of if statement
72
73      //else statement to let the user know that the name was found
74      else if (searchStat == false)
75      {
76          cout << "Found." << endl << endl;
77      }//end of else statement
78
79
80      //returns an integer type variable and assign it to an integer variable in the
   main.
81      return index;
82 }
83
84
```