

input.cpp

```
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 propagate three arrays of type string, int, and float
12  * with values from an input file.
13  * -----
14  * INPUT:
15  *      ar1[]      - string array
16  *      ar2[]      - int array
17  *      ar3[]      - float array
18  *      inFile     - input file
19  * OUTPUT:
20  *      ar1[]      - string array
21  *      ar2[]      - int array
22  *      ar3[]      - float array
23  *      outFileName - name of output file
24  *****/
25
26 #include "header.h"
27
28 void input(string &outFileName, string ar1[], int ar2[], float ar3[], const int AR_SIZE)
29 {
30     ifstream inFile; //IN - input file var
31     string inFileName; //IN - name of input file
32     int index; //CALC - lcv for while loop
33
34     cout << left << setw(40) << "What input file would you like to use:";
35     getline(cin, inFileName);
36
37     cout << left << setw(40) << "What output file would you like to use:";
38     cout << right;
39     getline(cin, outFileName);
40
41     inFile.open(inFileName);
42
43     index = 0;
44
45     while(index < AR_SIZE)
46     {
47         getline(inFile, ar1[index], '\n');
48         inFile >> ar2[index];
49         inFile >> ar3[index];
50         inFile.ignore(1000, '\n');
51         index++;
52     }
53
54     inFile.close();
55 }
56
57
```