

Input.cpp

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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 : Input
13  * -----
14  * This function gets the data from the input file and puts them in order in
15  * the parallel arrays for the name, id, and balance using a while loop. This
16  * is a void type function, so it doesn't need any return.
17  *****/
18
19
20 void Input(ifstream &iFile,
21            const int AR_SIZE,
22            string nameAr[],
23            int idAr[],
24            float balanceAr[])
25 {
26     /*****
27      * VARIABLES *
28      *****/
29
30     int index; //PROCESS - Used for initializing the arrays
31
32     //Initializing the index to 0 for the while loop
33     index = 0;
34
35     //This while loop uses the input file and the arrays to
36     //get the data from the input file and puts that in the
37     //parallel arrays for the names, id's, and balances.
38     //This while loop doesn't exit before the index reaches
39     //the size of the array and the input file still has data.
40     while(iFile && index < AR_SIZE)
41     {
42         getline(iFile, nameAr[index]);
43         iFile >> idAr[index];
44         iFile >> balanceAr[index];
45         iFile.ignore(100, '\n');
46
47         //increments the index to change the variable in the
48         //while loop for check.
49         index++;
50     }
51 }
52
53
54
55 }
```

