

header.h

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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 #include <iostream>
10 #include <iomanip>
11 #include <cstring>
12 #include <sstream>
13 #include <string>
14 #include <fstream>
15 using namespace std;
16
17 //ENUMERATED TYPES
18 enum menuoption {EXIT,
19                 LARGERBALANCE,
20                 SMALLERBALANCE,
21                 SUM,
22                 AVERAGE,
23                 SEARCH};
24
25 //PROTOTYPES
26 void printHeader(ostream &output,      //output device
27                 char exersize,         //lab or assignment?
28                 string exersizeName,   //lab or assignment name
29                 int num,               //lab or assignment name
30                 string names          //names of programmer(s)
31                 );
32
33 void input(string &outFileName,        //name of output file
34           string ar1[],               //string array
35           int ar2[],                 //int array
36           float ar3[],               //float array
37           const int AR_SIZE          //size of parallel arrays
38           );
39
40 void menu();
41
42 float sumAvg(menuoption token,        //menu option chosen
43             float ar3[],              //float array
44             const int AR_SIZE         //size of array
45             );
46
47 int searchBalance(menuoption token,   //menu option chosen
48                 float ar3[],         //float array
49                 const int AR_SIZE    //size of array
50                 );
51
52 int search(menuoption token,          //menu option chosen
53           string ar1[],              //string array
54           const int AR_SIZE,         //size of array
55           string userInput,          //user inputted search item
56           bool &found                //returns true if found or false if not found
57           );
```

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