```cpp
/*************************************************
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 * CLASS      : CS1B
 * SECTION    : MW 7:30pm
 * LAB #6     : Structs
 * DUE DATE   : 1 October 2019
 *************************************************/
#include "Myheader.h"

/
**********************************************************************
***********
 * Function : FileOutput
 *
------------------------------------------------------------------
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 * This function will out put the results that were assigned to
variables in
 * the main from the other functions to the output file. the
function is a void
 * type function, so it doesn't need any return.

**********************************************************************
**********/

void FileOutput(ostream &outFile,
                struct information personalData[],
                int         option,
                int         balanceIndex,
                float       sumOrAvg,
                int         nameIndex)

{

    //This if statement is for when the user chooses the option 1.
It outputs
    //the larger balance along side of the name and id of the
person who has
    //the larger balance. It uses the integer returned from the
"SearchBalance"
    //function to use in the parallel arrays to get the right data.
    if (option == 1)
    {
        cout    << "\nFinding the larger balance..." << endl <<
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endl;
35
36          outFile << left;
37          outFile << "Highest Balance:\n";
38          outFile << setw(9) << "ID #" << setw(25) << "NAME"
39                  << "BALANCE DUE\n";
40          outFile << setw(9) << "----" << setw(25)
<<"--------------------"
41                  << "-----------" << endl;
42          outFile << setw(9) << personalData[balanceIndex].id <<
setw(25)
43                  << personalData[balanceIndex].name
44                  << "$"      << right << setw(10)
45                  << personalData[balanceIndex].balance;
46      }//End of if statement
47
48      //This if statement is for when the user chooses the option 2.
It outputs
49      //the smaller balance along side of the name and id of the
person who has
50      //the smaller balance. It uses the integer returned from the
"SearchBalance"
51      //function to use in the parallel arrays to get the right data.
52      else if (option == 2)
53      {
54          cout    << "Finding the smaller balance..." << endl <<
endl;
55          outFile << left;
56          outFile << "Smaller Balance:\n";
57          outFile << setw(9) << "ID #" << setw(25) << "NAME"     <<
"BALANCE DUE\n";
58          outFile << setw(9) << "----" << setw(25)
<<"--------------------"
59                  << "-----------" << endl;
60          outFile << setw(9) << personalData[balanceIndex].id <<
setw(25)
61                  << personalData[balanceIndex].name
62                  << "$"      << right << setw(10)
63                  << personalData[balanceIndex].balance;
64          outFile << right;
65      }//End of if statement
66
67      //This if statement is for when the user chooses the option 3.
It outputs
68      //the sum of all balances using the float number returned to
```

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   main from the
 69     // function named "SumOrAvg".
 70     else if (option == 3)
 71     {
 72         cout    << "Obtaining the sum of all balances..." << endl
   << endl;
 73         outFile << left;
 74         outFile << "Sum of Balances for all persons :\n";
 75         outFile << setw(10) << "$" <<sumOrAvg << endl << endl;
 76         outFile << right;
 77     }//End of if statement
 78
 79     //This if statement is for when the user chooses the option 4.
   It outputs
 80     //the average of all balances using the float number returned
   to main from
 81     //the function named "SumOrAvg".
 82     else if (option == 4)
 83     {
 84         cout    << "Obtaining the average of all balances..." <<
   endl << endl;
 85         outFile << left;
 86         outFile << "Average Balance for all persons\n";
 87         outFile << setprecision(2) << fixed;
 88         outFile << setw(10) << "$" << sumOrAvg << endl << endl;
 89         outFile << right;
 90     }//End of if statement
 91
 92     //This if statement is for when the user chooses the option 5.
   It outputs
 93     //the name and id and balance of the person searched by the
   user in the
 94     //function called "SearchName", using the integer returned from
   the function
 95     //as the integer in the parallel arrays.
 96     else if (option == 5)
 97     {
 98         outFile << left;
 99         outFile << "\n\nSearch Name :" << endl;
100
101         //This if statement indicated that if the integer returned
   form the
102         //"SearchName" function is between 0 - 9, then it can
   output the name,
103         //id, and balance of the person based on the parallel
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    arrays.
104
105
106         if (nameIndex >= 0 && nameIndex <10)
107         {
108
109             outFile << setw(9) << "ID #" << setw(25) << "NAME"
110                     << "BALANCE DUE\n";
111             outFile << setw(9) << "----" << setw(25)
    <<"--------------------"
112                     << "-----------" << endl;
113             outFile << setw(9) << personalData[nameIndex].id <<
    setw(25)
114                     << personalData[nameIndex].name
115                     << "$"      << right << setw(10)
116                     << personalData[nameIndex].balance;
117             outFile << right;
118         }//End of if statement
119
120         //else statement indicates that if the integer returned
    from the
121         //"SearchName" function is bigger than 9, that means there
    are
122         //no names in the list matching the searched name.
123         else
124         {
125             outFile << setw(9) << endl;
126             outFile << "Name Not Found in the list." << endl <<
    endl;
127
128         }//End of else statement
129
130         outFile << right;
131     }
132
133
134
135 }
136
```