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

/*************************************************************************
 * Function : SearchBalance
 *
 ------------------------------------------------------------------------
 * This function searches for the largest or smaller balance in the balance
 * array using a for loop and then returns an integer type variable as the
 * index of the  larger balance in the array to an integer type variable in
 * the main named "balanceIndex".

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

int SearchBalance(struct information personalData[],
                  int option,
                  const int AR_SIZE)
{
    /*************
     * VARIABLES *
     *************/

    int     balanceIndex; // PROCESS - Adjusts to the index of the larger balance
    int     index;        // PROCESS - Used in the for loop for the initial, check
                          //       and change in the loop.

    //Initializing this to 0, to be changed later.
    balanceIndex = 0;

```

```
35      //If statement used if the user chooses the option 1.
36      if(option == 1)
37      {
38          //For loop to search the largest balance between the
39          //elements of the array, checking index by index.
40          for (index = 0; index < AR_SIZE; index++)
41          {
42              //If statement to change the integer as the the
43              //index for the larger balance if the balance of the
44              //next element is higher.
45              if (personalData[index].balance >
  personalData[balanceIndex].balance)
46              {
47                  balanceIndex = index;
48              }//End of if statement.
49
50
51          }//End of the for loop.
52
53      }//End of the if statement.
54
55      //If statement used if the user chooses the option 2.
56      else if(option == 2)
57      {
58          //For loop to search the smaller balance between the
59          //elements of the array, checking index by index.
60          for (index = 1; index <= AR_SIZE; index++)
61          {
62              //If statement to change the integer as the the
63              //index for the larger balance if the balance of the
64              //next element is higher.
65              if (personalData[index].balance <
  personalData[balanceIndex].balance)
66              {
67                  balanceIndex = index;
68              }//End of if statement.
69
70
71          }//End of for loop.
72
73      }//End of if statement.
74
75
76
77      //Returns the index integer to the main.
```

```
78     return balanceIndex;
79 }
80
81
82
```