```cpp
/*****************************************************************************
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 * ASSIGNMENT 1 : Functions and Arrays
 * CLASS        : CS1A
 * SECTION      : MW 7:30PM
 * DUE DATE     : 02/15/19
 *****************************************************************************/

/*****************************************************************************
 * This function will search a given array for the largest or smallest floating
 * point value and return the index it is located at.
 *----------------------------------------------------------------------------
 * INPUT:
 *          token   - menu option chosen
 *          ar3[]   - float array
 *          AR_SIZE - size of array
 * OUTPUT:
 *          i       - index of largest or smallest value
 *****************************************************************************/
#include "header.h"

int searchBalance(menuoption token, float ar3[], const int AR_SIZE)
{

    int index;
    int i;
    float target;

    target = ar3[0];
    i = 0;

    if(token == LARGERBALANCE)
    {
        for(index=0; index < AR_SIZE - 1; index++)
        {
            if(ar3[index + 1] > target)
            {
                target = ar3[index + 1];
                i = index +1;
            }
        }
    }
    else
    {
        for(index=0; index < AR_SIZE - 1; index++)
        {
            if(ar3[index + 1] < target)
            {
                target = ar3[index + 1];
                i = index +1;
            }
        }
    }
    return(i);
}

```