

CS111 Assignment 10

Write a complete C++ program that will contain the following:

- Create a 2-dimensional array with 10 rows and 10 columns; Fill the array with random 3 digit integers.
- findLargestSum* will return the column with the largest sum. If two or more columns, share the largest sum, print out only one column.
- findSmallestValue* will return the smallest value within the given 2d array.
- subtractAverage* will calculate the average of the entries in a 2d array and subtracts this average from every entry of the array.

For example, the main program may run as follows:

```
int main () {  
    int array2[][2] = { {1, 2}, {3, 4}, {2, 3}, {9, 9} };  
    cout << findLargestSum(array2, 2, 4) << endl; // prints 1  
    cout << findSmallestValue(array2, 2, 4) << endl; // prints 1  
    subtractAverage(array2, 2, 4);  
    return 0;  
}
```