

## In class review 11/30

1. Create a program with a 10x10 2-dimensional array and populate the 2-dimensional array with random integer values. Iterate through the array and find the smallest number. Print the value to the console.
2. Create a program with a 10x10 2-dimensional array and populate the 2-dimensional array with random integer values. Sum the values of the 2-dimensional array in a diagonal from top-left (0,0) to bottom-right (9,9) by iteration.
3. Create a program with a 3x3 2-dimensional array and populate it with random numbers from 1-9. Write a method named *ValidSubSquare(int[][] myArray)* which checks to see if the 3x3 array would be a valid sub-square in the game of Sudoku. A valid sub-square means that all numbers 1-9 are accounted for with no number repeating. Keep creating random subsquares until the computer produces a valid sub-square and then print it to console.