

CS 111 – Recitation 9

***Your peer leader will leave time at the end to ask questions about your upcoming midterm.**
The midterm will cover everything from the beginning of the course with a focus on the following topics: nested loops; writing methods; manipulating Strings; 1D & 2D Arrays

Exercise 1: 2D Arrays Warm-up

Write a method that takes in an int 2D array that is randomly filled with 0s and 1s and prints out how many 0s and 1s there are.

Exercise 2: 2D Arrays

You're given students' grades in a 2D array. Each column of the array represents a different assignment, and each row represents a different student. The average of the grades is the student's' final grade, but their professor has very kindly agreed to drop their lowest grade. Write a method which takes in this 2D array and prints out all the students with a passing grade (70 and above).

Exercise 3: More 2D Arrays

Write a method which takes in an int 2D array and rotates it by 180 degrees.

Example run:

The original array is:

4 3 5 6

1 5 8 2

4 7 1 0

The 180 degree rotated array is:

0 1 7 4

2 8 5 1

6 5 3 4