CS 162 - Intro to Programming II

// returns sum of the positive integers in the array

for (int r = 0; r < M.length; r++) {
    for (int c = 0; c < M[0].length; c++) {
        // do stuff to element at M[r][c]
    }
}

Phases of software development
Special desserts impress and tempt me
Specification - what software needs to do
Design - how to do it with pieces
Implementation - write the code
Test - find the bugs before the user does
Maintenance and evolution - enhance the software
1/23/2018  CS162 Board Highlights

int [6] nums
int [3][4] M
rows cols

M.length ← #rows
M[0].length ← #cols

need to clone each row
make deep copy

M[0]
M[1] [[3]]
M[2]

deep copy

Random r = new Random (seed);
r. next Boolean();

0 1 2 3

[3][2]