HW23: Warmup

Nov-24-2014

2D-arryas (aka Matrices)

Mat1

1	2	3
3	4	5

Mat2

3	4
4	5
5	6

Mat3

(i,j)=(0,0)	(i,j)=(0,1)
(i,j)=(1,0)	(i,j)=(1,1)

Mat3[i][j] = Sum_of_element_wise_produc_of { (Mat1 row i) times (Mat2 col j) }

Mat3[0][1] = Sum_of { (Mat1 row 0) times (Mat2 col 1) }

Mat3[0][1] = 1*4 + 2*5 + 3*6 = 32

For the assignment

- Create the matrices
- Initialize
- Compute Mat3

- Pseudo code:

```
for ii=0..1
    For jj=0..1
        Mat3[ii][jj] = ?!?
```

BIG Hint: the
Mat3[ii][jj]=??
In the above is actually a “for” loop, which uses
Mat3[ii][jj] += (something here…)