Midterm on Thursday!!

Midterm this Thursday, 5-7pm

Bring your UW ID and #2 pencils (it's a scantron test).

⇒Room 1351 of the Chemistry building

We'll do some review on Wednesday - bring questions!

What We Did On Friday

We covered a lot of things on Friday, just to review:

1. Methods and call stacks
2. Modifying arrays in methods
3. Returning arrays from methods
4. 2D arrays

Also: projector - good or bad? I'll use it more in the future if people liked it.

Using 2D Arrays

Like the arrays we've been using, 2D arrays have a special syntax:

```
char[][] tictactoe = new char[3][3];

for (int i=0; i<tictactoe.length; i++) {
    for (int j=0; j<tictactoe[i].length; j++) {
        tictactoe[i][j] = ' ';
    }
}
```

We traverse entire 2D arrays with *nested* `for` loops.

Initializing 2D arrays with {}

You can also explicitly give an array's initial values using the {} syntax we used before:

```
char[][] tictactoe =
    {
        {'x',' ','o'},  // row 0
        {'o','x',' '},  // row 1
        {' ',' ','x'}   // row 2
    };
```

Each row needs to have its own {} declaration, and each element is separated by a comma.

Array/Method examples

Since 2D arrays will *not* be on the midterm, let's be really sure that you know what's going on with arrays and methods, since this can get confusing. (handout)