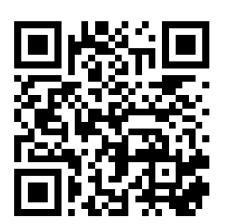
CSE 121 Lesson 15: Array Patterns and Exam Review

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Announcements, Reminders

- Quiz 2 Feedback will be released by Monday at the <u>latest</u>
 - Tip: Make sure you are reviewing your quizzes when preparing for the final!
- R6 and R7 released!
 - Extra Resubmission Cycle any assignment can be resubmitted for both!
- Programming Assignment 3 due next Tuesday
- Final Exam: Friday, 8/16 from 12:00-1:00 in PCAR 290
 - See Ed post for more information
 - No more make-ups for the final exam
- Final Reflection feedback deadline TONIGHT!

	Seattle	Tacoma	Bothell
1	44	40	43
2	42	40	44
3	42	41	43

	Seattle	Tacoma	Bothell
1	44		
2			
3			

	Seattle	Tacoma	Bothell
1	44	40	
2			
3			

	Seattle	Tacoma	Bothell
1	44	40	43
2			
3			

	Seattle	Tacoma	Bothell
1	44	40	43
2	42		
3			

	Seattle	Tacoma	Bothell
1	44	40	43
2	42	40	
3			

	Seattle	Tacoma	Bothell
1	44	40	43
2	42	40	44
3			

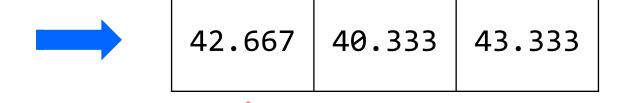
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3	42		

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3	42	41	

	Seattle	Tacoma	Bothell
1	44	40	43
2	42	40	44
3	42	41	43

(2D) ays Above Average: computeAverages()

	Seattle	Tacoma	Bothell
1	44	40	43
2	42	40	44
3	42	41	43



Average of Seattle temperatures

(44 + 42 + 42) / 3

Questions?

(PCM) Counting Elements that Meet a Condition

```
"one" "two" "three" "six" "seven" "eight" "ten"
```

```
public static int evenLength(String[] list) {
    int countEven = 0;
    for (int i = 0; i < list.length; i++) {</pre>
        if (
            countEven++;
    return countEven;
```

(PCM) Modifying Elements of an Array

4 8 15 16 23 42

```
public static void clamp(int min, int max, int[] list) {
    for (int i = 0; i < list.length; i++) {</pre>
        if (
                                > max) {
                              = max;
        } else if (
                                        < min) {
                              = min;
```

(PCM) Searching for an Element

```
"one" "two" "three" "six" "seven" "eight" "ten"
```

```
public static int indexOfIgnoreCase(String phrase, String[] list) {
    for (int i = 0; i < list.length; i++) {</pre>
        if (
            return
    return
```

(PCM) Shifting Elements

```
9.6 -88.0 4.815 0.009 7.0184 42.9
```

```
public static void rotateRight(double[] list) {
    double lastElement = list[list.length - 1];
    for (int i = list.length - 1; i > 0; i--) {
        list[i] = list[i - 1];
    }
```

}

(PCM) Looking at Multiple Elements in an Array

```
0 1 9 1 0
```

(PCM) Array of Counters or "Tallying"

8 3 0 1 2 2 0 7 2

```
public static int[] numCount(Scanner input) {
    int[] counts =
    while (input.hasNextInt()) {
        int num = input.nextInt();
    return counts;
```