CSE 11
Accelerated Intro to Programming
Lecture 12

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This lecture is being recorded

Announcements

3% • PA6 released today
   • Shorter PA – due Sunday
8% • PA7 released on Sunday, due Wednesday @ 11:59pm
   • PA2 & PA3 resubmissions due Friday @ 11:59pm
     • No tutoring hours on Friday
   • Lecture Quiz 5 due today @ 11:59pm
   • Lecture Quiz 6 released today, due Saturday @ 11:59pm
   • Exam 1
     • Tomorrow – releasing at 12am (i.e. late tonight)
       • Due ~~Sunday~~ Sat @ 4pm   PT
     • Details on Piazza

For-each Loop (enhanced for loop)

```
for (<type> <name> : <array>) {
    <body>
}
```

Counted For Loop

- Three parts (besides the loop body)
  - Initializer
    - Usually, a variable definition
  - Test / condition
    - Expression that must evaluate to a boolean
  - Update
    - Usually, a variable update

Counted For Loop

```
for ( <initializer> ; <test> ; <update> ) {
    <loop body>
}
```

Nested Loops

- Loops are a kind of statement
  - They can go inside loop bodies!

```
for (int row = 0; row < height; row += 1) {
  for (int col = 0; col < width; col += 1) {
    <loop body>
  }
}
```