

# CSE 11

# Accelerated Intro to Programming

## Lecture 17

Greg Miranda, Spring 2021

# Announcements

- Quiz 17 due Friday @ 8am
- PA5 due tonight @ 11:59pm
- Survey 6 due Friday @ 11:59pm
- Exam 1
  - Starting tomorrow @ 8am – Sunday @ 8am
  - Details on Piazza
    - No tutor hours
    - Piazza posts will be set to private
    - Discord channels should be disabled
  - No class on Friday
    - Will still have a Lecture quiz due on Friday and Monday

# 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>  
    }  
}
```