CSE 113 A
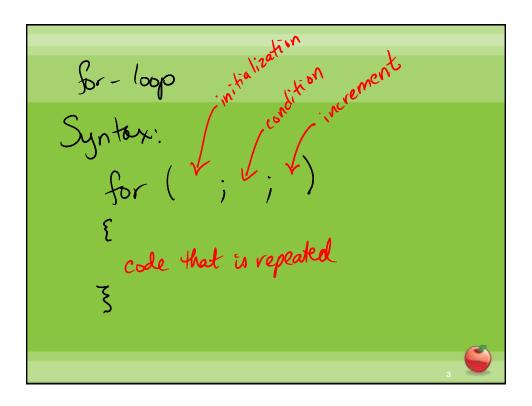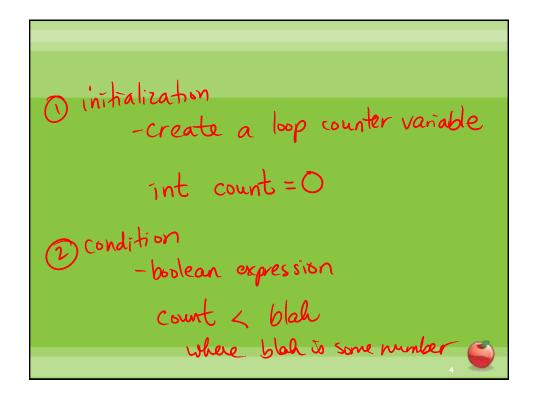
March 1 - 5, 2010
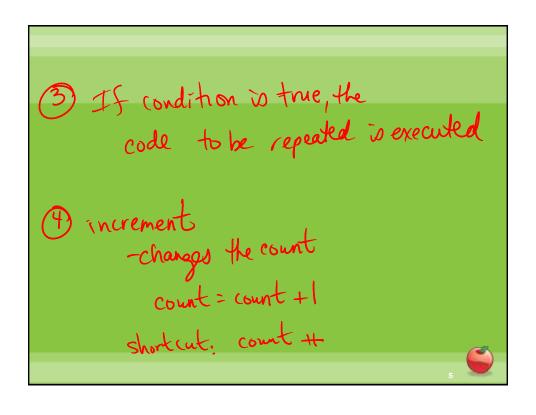
Announcements
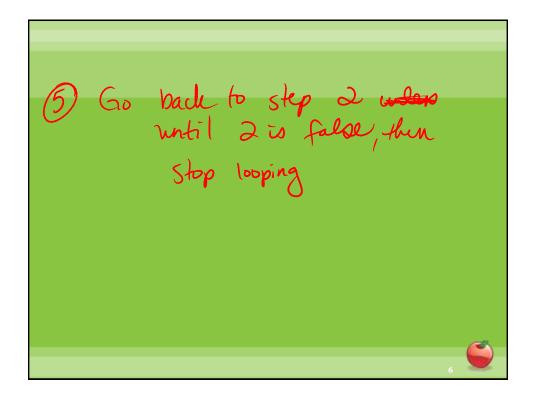
✿ Lab 2 due Friday, March 5th.

✿ Change in schedule for this week:

✿ Monday: Review of loops

✿ Wednesday: Return and go over exam 2

✿ Friday: No lecture – additional office hours for extra help on Lab 2

for - loop

Syntax:

for (initialization ; condition ; increment)
{
    code that is repeated
}

3

① initialization
        - create a loop counter variable

            int count = 0

② condition
        - boolean expression

            count < blah
                where blah is some number

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③ If condition is true, the
code to be repeated is executed

④ increment
-changes the count
count = count +1
shortcut: count ++

5

⑤ Go back to step 2 ~~unless~~
until 2 is false, then
Stop looping

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Eg) Write a loop that would execute 10
times.

for (int count =0; count <10; count++)
{

}

for (int count=0; count<20; count=count+2)
{

}

-Equivalent answer for
previous example

The condition on a for-loop is a
boolean expression

eg) $x < 10$
        $x < y+5$
        $x < y$
        true

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The condition on a for-loop is a
boolean expression

eg) $x < 10$
        $x < y+5$
        $x < y$
        true

10

The condition on a for-loop is a
boolean expression

eg) $x < 10$
       $x < y+5$
       $x < y$
       true

11

The condition on a for-loop is a
boolean expression

eg) $x < 10$
       $x < y+5$
       $x < y$
       true

12

The condition on a for-loop is a
boolean expression

eg) $x < 10$
         $x < y + 5$
         $x < y$
         true

13

The condition on a for-loop is a
boolean expression

eg) $x < 10$
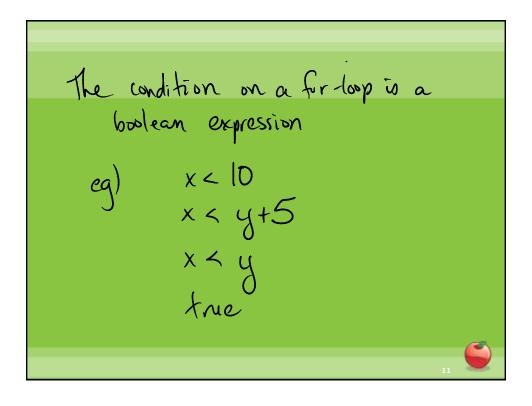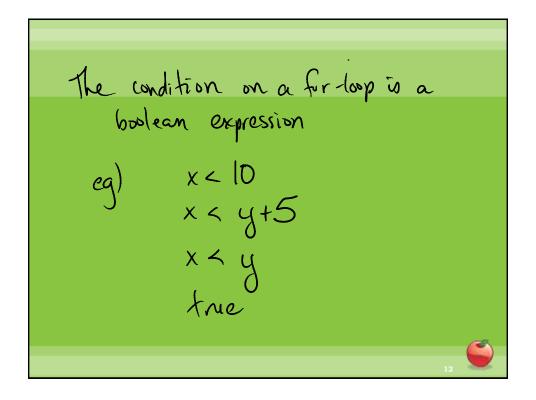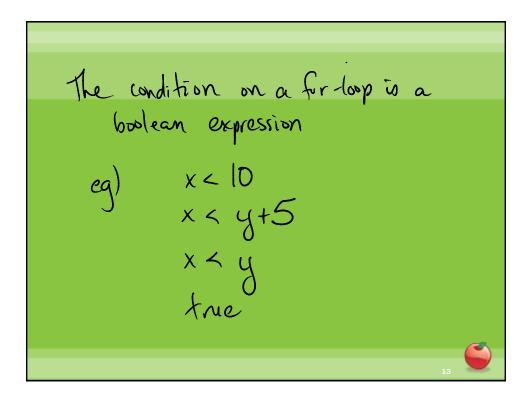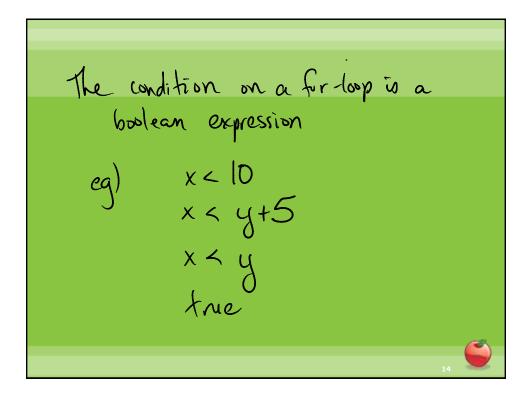 $x < y + 5$
         $x < y$
         true

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Compound boolean expressions

Combine two boolean expressions using

&& -"and"

|| -"or"

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In Lab 2?

— could be used to help create n actors

— need the loop to put the flowers back into the world when you collide w/ a 2nd mushroom

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—need to write a loop that
puts flowers back into the world

—how many times does this loop
execute?

—as many times as the hero
has flowers

—use the variable that
stores this number

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Exam 2 Stats

	Noon	3pm	Overall
Min	15	21	15 (25 F's)
Median	76	77	78
Average	72.90	73.34	73.14
Max	100	100	100 (36 A's)
Std Dev			18.66

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