



CSE 113 A  
March 1-5, 2010



## ANNOUNCEMENTS

- ⦿ Lab 2 due Friday, March 5<sup>th</sup>.
- ⦿ 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



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## for-loop

Syntax:

```
for ( ; ; )  
{  
    ~~~~~  
}
```

↑ initialization  
↑ condition  
↑ increment

↑ code we want repeated



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① initialization  
- create loop counter variable

```
int count = 0
```

② condition  
- when the loop should stop

```
count < 50
```



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③ execute the code that should be repeated

④ increment  
- update our count

$\text{count} = \text{count} + 1$

shortcut:  $\text{count}++$



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⑤ go back to step 2 until condition is false



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Write a loop that executes  
10 times

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

-OR-

```
for (int count=10; count>0; count=count-1)
{
}
```



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The condition on a loop is a  
boolean expression

eg)  $x < 10$   
 $x > 0$   
 $x < y + 5$   
 $x < y$   
 true



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Compound boolean expressions

&& - "and"

|| - "or"



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Loops in Lab 2:

- could use them to add the actors to the world
- need the loop when hero puts flowers back into the world
  - how many times is the code repeated?
  - use the number of flowers instance variable



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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

