Control Statements

'for' Loop ...

```
General form
   for(initialization; condition; iteration) {
     // body
example:
             for( n=10; n>0; n--) {
               System.out.println(n);
```

'for' Loop (cont..)

- Usually variables that controls the 'for' loop is needed only inside the loop block
 - Thus variable declaration may be done inside the initialization portion

```
for(int n=10; n>0; n--) {
    System.out.println(n);
}
```

Scope of variable ends when 'for' loop finished execution

Jump Statements

'break' to exit a loop

- Using 'break' to exit a loop
 - bypassing the conditional expression and remaining code

```
for (int i=0; i<10; i++) {
    if(i = =5) break;
        System.out.println("i: " + i);
        i: 1
        i: 2
        i: 3
        i: 4
```

'break' as GoTo

- Java doesn't have 'goto' statement
 - but 'break' statement provide a 'civilized' form of 'goto' break label;

Output: 0 1 2 3 4 5 6 7 8 9

'break' as 'goto' (cont..)

You can't break any label which is not defined for an enclosing block

Continue

 Might want to continue running the loop, but stop processing remainder of the loop

'continue' as 'goto'