Announcements

• Project #0 due tonight
• Project #1 probably posted later today
If Statement

Execute a block of code *sometimes*:

```java
if (<boolean expression>) {
    <Put code here>
}
```

Example: SimpleIf.java
If-Else Statement

Execute either one block or another (never both):

```java
if (<boolean expression>) {
    <Put code here>
} else {
    <Put alternative code here>
}
```

Example: SimpleIfElse.java
Note about braces...

- Braces are optional for blocks containing a single statement.

```java
if (x < y) {
    System.out.println("Hi");
}
```

- It’s better style to include the braces anyway!

```java
if (x < y)
    System.out.println("Hi");
```
Logical Operators

<table>
<thead>
<tr>
<th>&amp; &amp;</th>
<th>and</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>!</td>
<td>not</td>
</tr>
</tbody>
</table>

Examples: LogicalOps1.java, LogicalOps2.java
Nesting if and if-else statements

Examples: Nesting1.java, Nesting2.java

Tricky Example: WhatDoesItDo.java
“else if” style

Examples:
• Cascading1.java
• Cascading2.java