

The background of the slide is a grayscale image of a circuit board. It features a complex network of black lines representing traces and several large black circular pads. A prominent dark horizontal band runs across the middle of the image, serving as a background for the text. The overall aesthetic is technical and modern.

CMSC 131

Summer 2018

Announcements

- Project #0 due tonight
- Project #1 probably posted later today

If Statement

Execute a block of code *sometimes*:

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

Example: `SimpleIf.java`

If-Else Statement

Execute either one block or another (never both):

```
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.

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

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

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

Logical Operators

&&	and
	or
!	not

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