

Else If

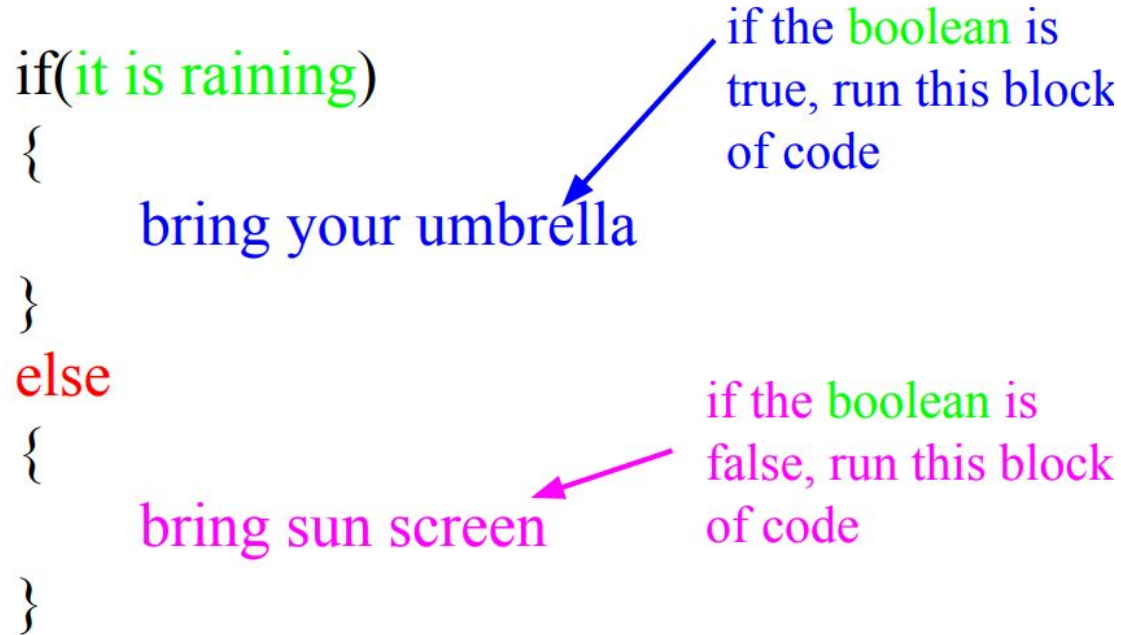
Mr. Poole
Java

if statements & else statements

```
if(it is raining)
{
    bring your umbrella
}
else
{
    bring sun screen
}
```

if the **boolean** is true, run this block of code

if the **boolean** is false, run this block of code

A diagram illustrating the execution of an if-else statement. The code is written in a monospaced font. The condition 'it is raining' is highlighted in green. The first code block, 'bring your umbrella', is indented and highlighted in blue. The second code block, 'bring sun screen', is also indented and highlighted in magenta. Two arrows point from explanatory text to these code blocks: a blue arrow points from 'if the boolean is true, run this block of code' to the blue code block, and a magenta arrow points from 'if the boolean is false, run this block of code' to the magenta code block.

We want 3+ conditions!

```
if (boolean) { ← True, runs.
}
else if (boolean) { ← True, runs.
}
else { ← False, move on.
    Runs.
}
```

Runs one after another.

1. Check if statement
 - a. If true, run.
 - b. False, move to 2.
2. Check else if
 - a. If true, run.
 - b. False, move to 3.
3. Run else statement.

You can have as many else if statements as you want!

```
if(boolean) {  
  
}  
  
else if(boolean) {  
  
}  
  
else if(boolean) {  
  
}  
  
else if(boolean) {  
  
}  
  
else if(boolean) {  
  
}  
  
else {  
  
}
```

else if Lab

- Repeat lab 12.
- Instead of telling the user if their right/wrong.
- Tell the user if they are smaller/larger than.