

Else If

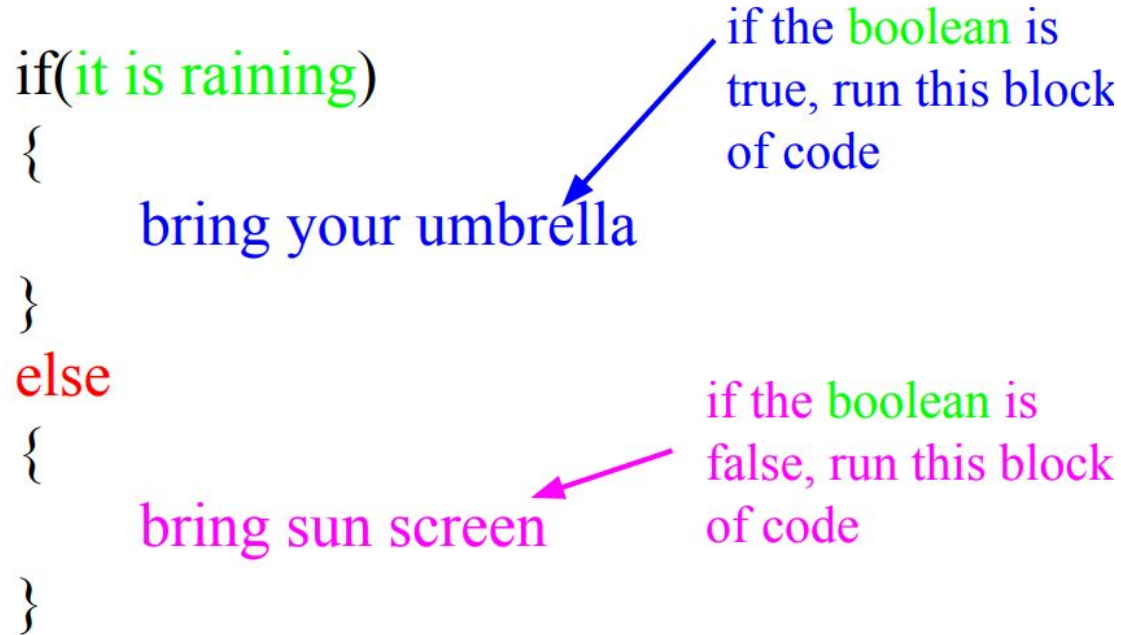
Mr. Poole
Java

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

The diagram illustrates the execution of an if-else statement. It shows the code structure on the left and two explanatory annotations on the right. A blue arrow points from the text 'if the boolean is true, run this block of code' to the 'bring your umbrella' line within the 'if' block. A magenta arrow points from the text 'if the boolean is false, run this block of code' to the 'bring sun screen' line within the 'else' 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 {  
  
}
```

Lab: else if

- Repeat the **Else Lab**
 - Guessing between 1-1000
- Instead of telling the user if their right/wrong.
- Tell the user if they are higher/lower than.