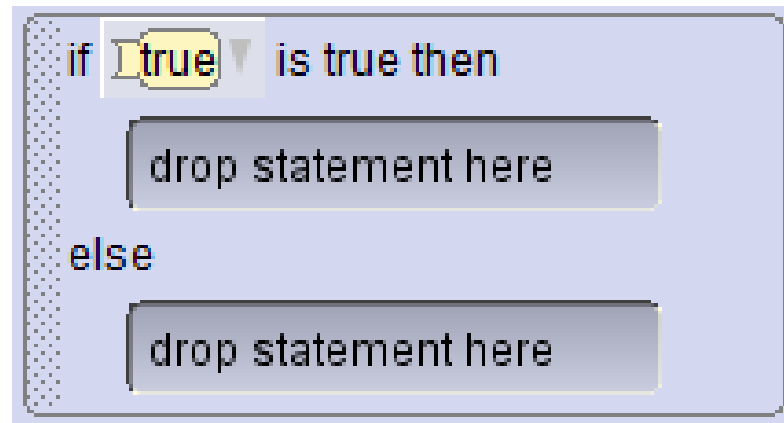


# CompSci 94

## Making Decisions with If statements

### October 1, 2024



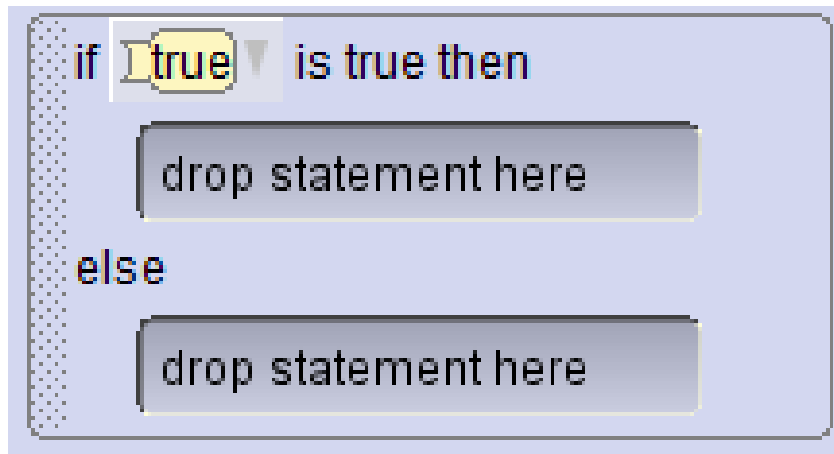
Prof. Susan Rodger

# Announcements

- Assignment 3 due Oct 8!
  - Don't forget the reflect form
- Videos and QZ10 due Thursday, Oct 3 when class starts
- Don't get behind, be sure to check your grades on Canvas for Classwork

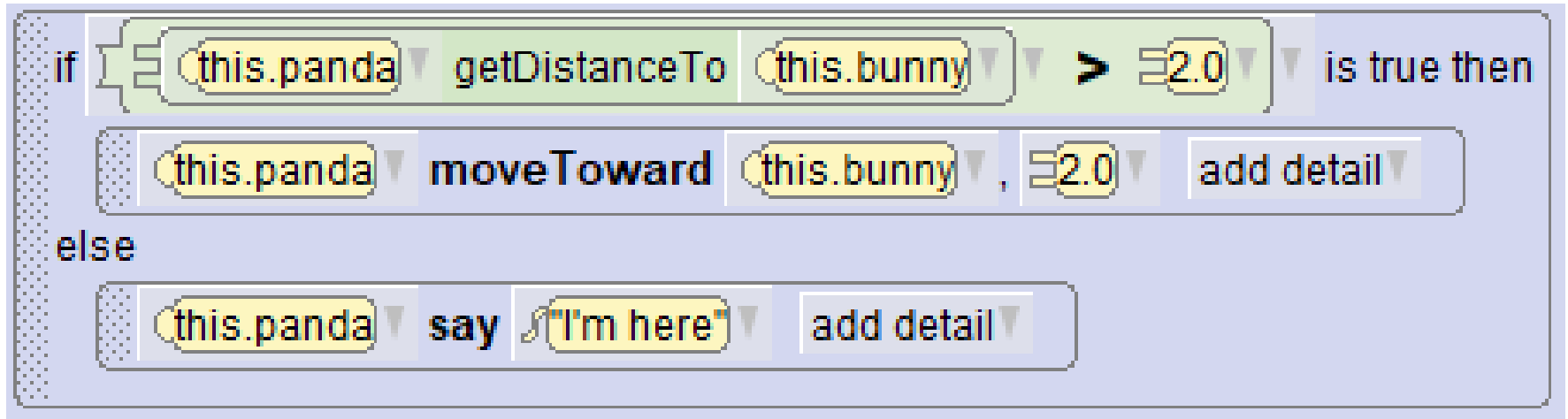
# If statements

- What types can you compare in an if statement?



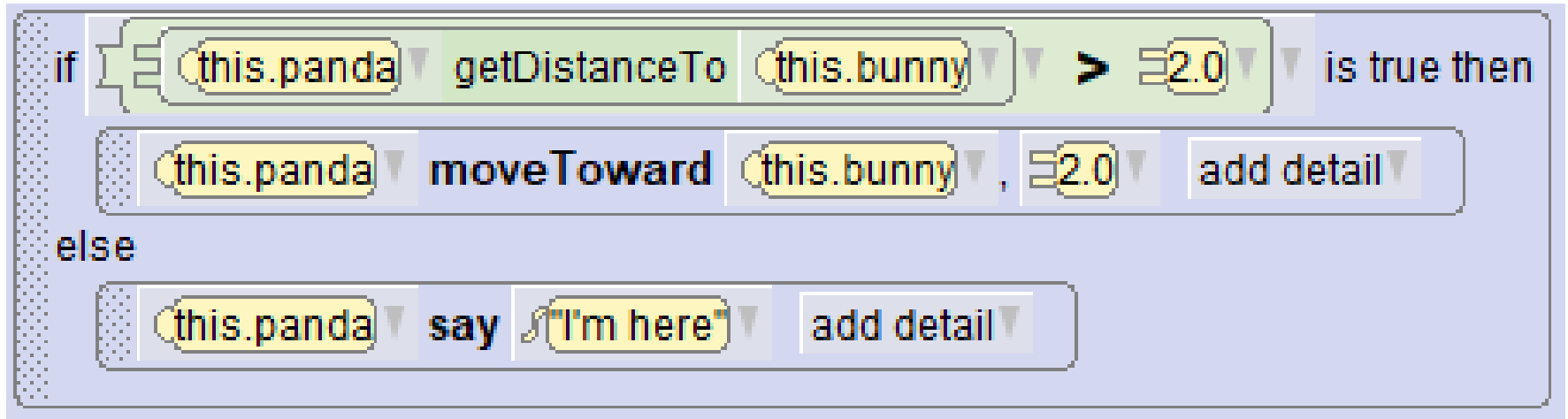
# Q1 Panda distanceTo

- What does this code do when it executes?



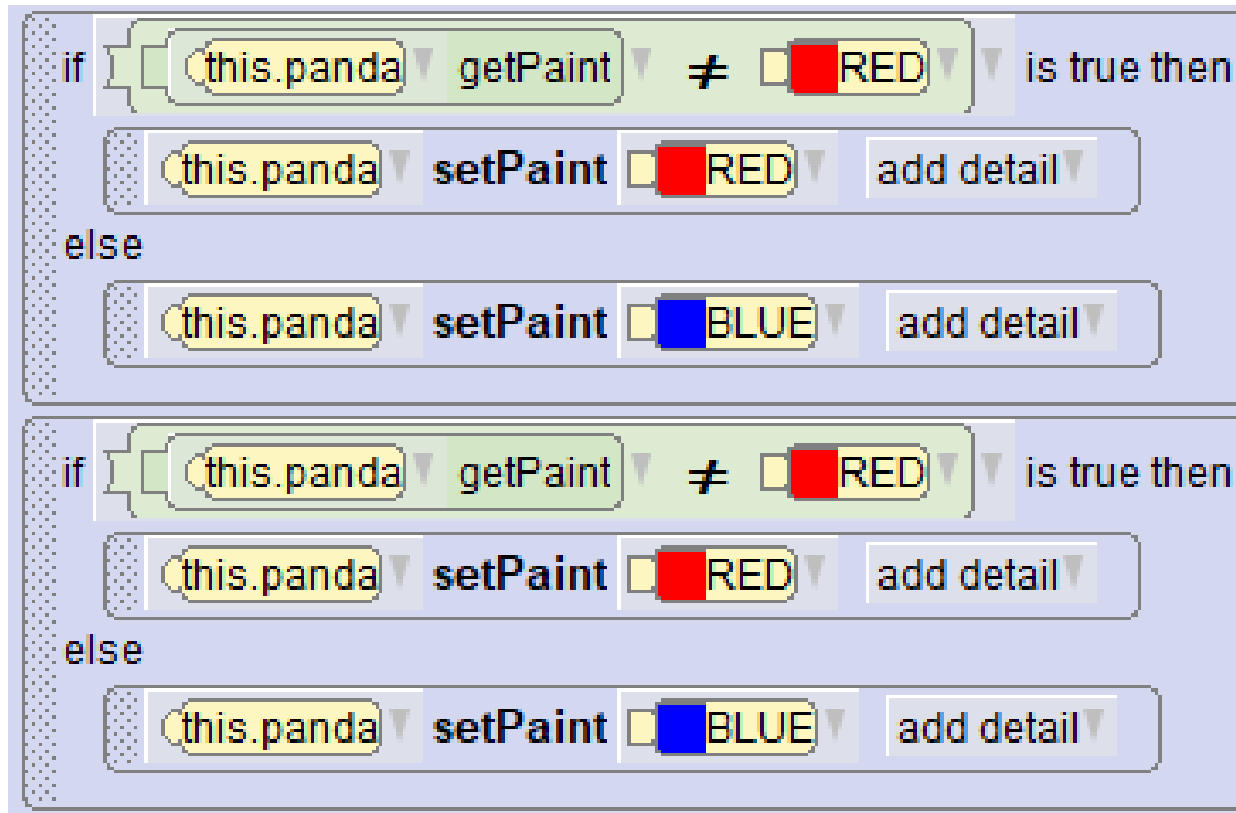
## Q2. Create line w/ Panda distanceTo

- How does one create **first line** of this code?

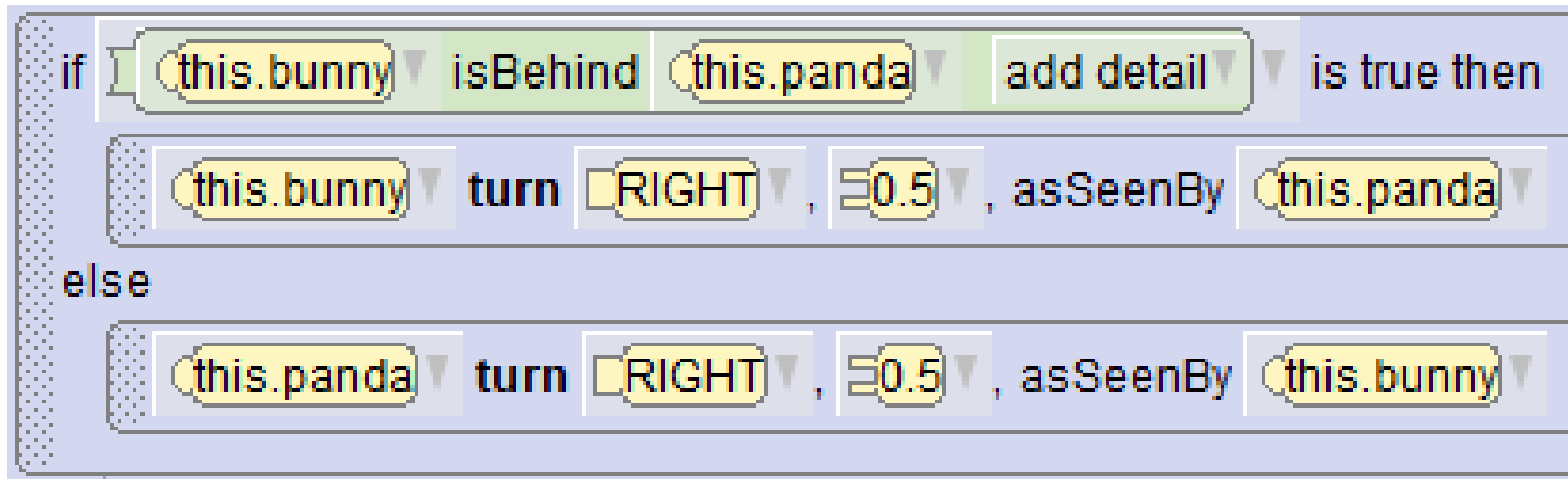


# Q3 Making decisions - If statement

- What happens when this code runs?



# Q4 What happens when this If executes?



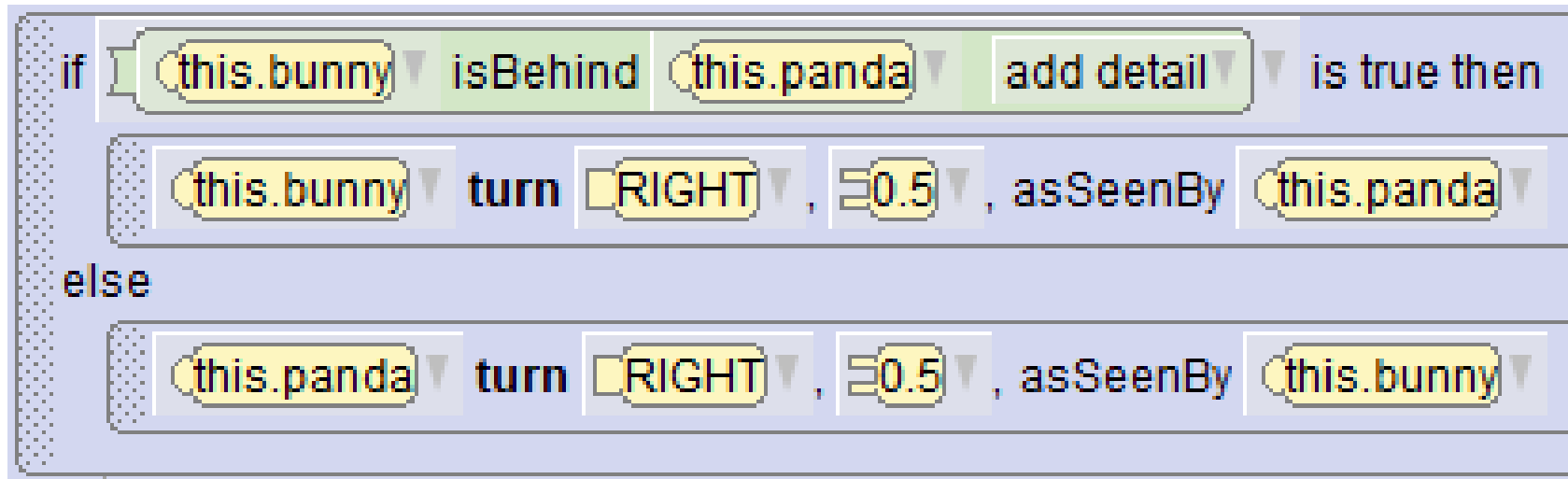
## Q5 Execute a copy of the if again? (execute the same code a second time)

The image shows a Scratch script with an if-else conditional block. The 'if' block contains a condition: 'this.bunny' isBehind 'this.panda' add detail. The 'then' block contains: 'this.bunny' turn RIGHT 0.5 degrees, asSeenBy 'this.panda'. The 'else' block contains: 'this.panda' turn RIGHT 0.5 degrees, asSeenBy 'this.bunny'.

```
if (this.bunny isBehind this.panda add detail) is true then  
  this.bunny turn RIGHT 0.5 degrees, asSeenBy this.panda  
else  
  this.panda turn RIGHT 0.5 degrees, asSeenBy this.bunny
```



# Q6 Execute a third copy of the if?



# Class Today

- Working with making decisions

