# CompSci 94 Introduction to Events Mouse Events November 8, 2022



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CompSci 94 Fall 2022

### Announcements

- Assignment 4 is due tonight!
- Assignment 5 out, due Thur, Nov 17
- Videos and online quiz for Thursday

- Today we start event programing and building games
  - We are using all the programming concepts we have learned

# Q1. How do I setup an object marker for the bunny?





# Q2. How do I use an object marker?





# Q3. Consider the following

• Have 3 animals in an array named animals, and three object markers in an array called objectMarkers. They are in the order in the array as shown from left to right.



#### Q3: Suppose the animals have moved as shown. What does the mystery procedure do?

declare procedure mystery Add Parameter		,	Ä
do in order		1	Lat
🖗 do in order		A	1
(WholeNumber)=(number) <= =01			
WholeNumber Image: Second			
	ectMarkers <b>T</b> [ number <b>T</b> ]		
Enumber - Enumber - ENT			

## Q4. What does the following code do?

d	lo in order
	this.panda▼ move CRIGHT▼, Ξ1.0▼ add detail▼
	do together
	(this.panda) move [LEFT], E1.0 add detail
	this.panda delay 2.0
	(this.panda) turn [RIGHT], 20.5 add detail

# Q5 - How do you fix the code below so you only click on cow and moose for them to turn around?

• A scene has bear cub, cow, dalmatian and moose.



(MouseLocation
⊒ <mark>1.0</mark> ▼ add de

# Q6 What does this event do?

(this) addMouseClickOnObjectListener, setOfVisuals [new Visual[] { (this.dalmatian) }
declare procedure mouseClicked (Tevent getModelAtMouseLocation)
do in order
if I (this.dalmatian) getOpacity > =0.95 V is true then
this.dalmatian say fhello add detail
(this.dalmatian)▼ setOpacity Ξ0.9▼ add detail▼
else
(this.dalmatian) setOpacity =1.0 add detail

# Class Today

• Make a simple game

