# CompSci 94 Introduction to Events Mouse Events October 28, 2021



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CompSci 94 Fall 2021

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#### Announcements

- Assignment 4 is due tonight!
- Videos and online quiz for Tuesday

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





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

- Go to scene setup
- Select the bunny first!
- Add objectMarker
- Should see it on the bunny





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## Q2. How do I use an object marker?





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## Q2. How do I use an object marker?

- Use it just like a camera marker.
- Bunny moveAndOrientTo objectMarkerBunny





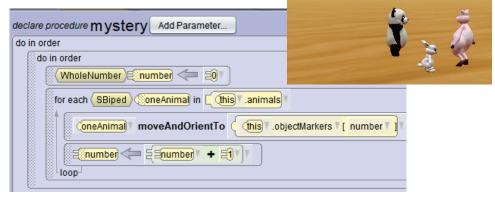
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## Q3. Consider the following

• 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.

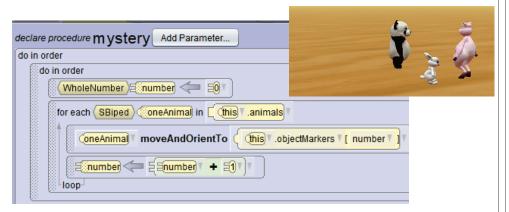


Q3: Suppose the animals have moved as shown. What does the mystery procedure do?



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



It moves the animals back to their original position and orientation.

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#### Q4. What does the following code do?

```
do in order

this.panda move RIGHT, $1.0 add detail

do together

this.panda move LEFT, $1.0 add detail

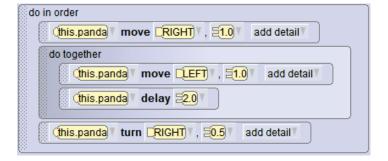
this.panda delay $2.0 

this.panda turn RIGHT, $0.5 add detail
```

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### Q4. What does the following code do?



- Panda moves right, then panda moves left
- Then there is a delay of 1 sec, the doTogether has to finish.
- Then the panda turns.

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.



```
this addMouseClickOnObjectListener add detail 

declare procedure mouseClicked [event] getModelAtMouseLocation

do in order

[event] getModelAtMouseLocation turn RIGHT , 1.0 add de
```

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

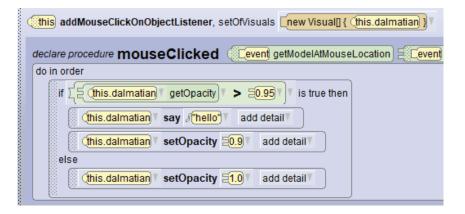
• A scene has bear cub, cow, dalmatian and moose.



 Add Detail – Visual array of cow and moose

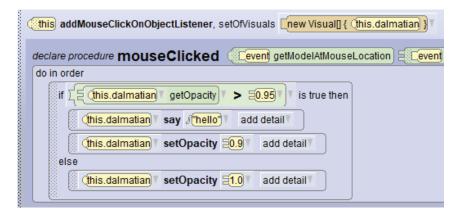
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### Q6 What does this event do?



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## Q6 What does this event do?



• Every other time you click on the dalmatian, it says hello.

## Class Today

Make a simple game



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