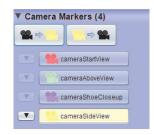
CompSci 94 Camera Controls September 9, 2021





Prof. Susan Rodger

9/9/2021

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Announcements

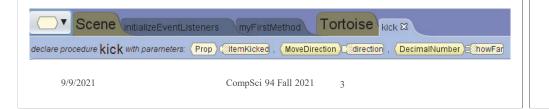
- Assignment 2 due on Tuesday, Sept 14
 - Storyboard
 - Alice program
 - Make a Video talk about code, run
- How to Submit Assignment 2
 - Storyboard, Alice program, video → Sakai
 - URL for Video → Reflect form
- Coming
 – procedures for classes of objects, and properties.
- QZ06 due Tuesday by class time

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Review – Parameters/Arguments Write the **tortoise kick** procedure

- It has three parameters
 - itemKicked of type Prop the item to kick
 - direction of type moveDirection the direction for the itemKicked object to move
 - howFar of type DecimalNumber the distance for the item kicked to move



Review Defining instruction, using parameters

Defining the instruction

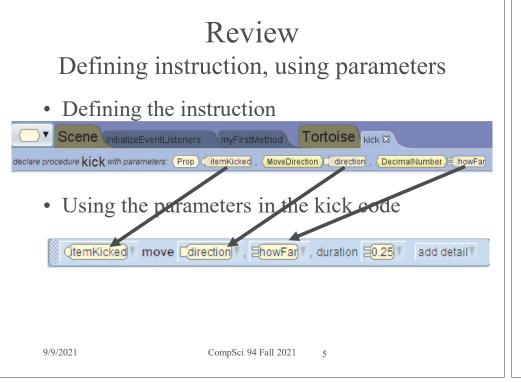


• Using the parameters in the kick code



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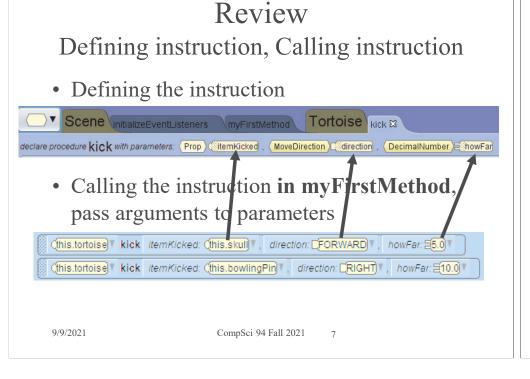


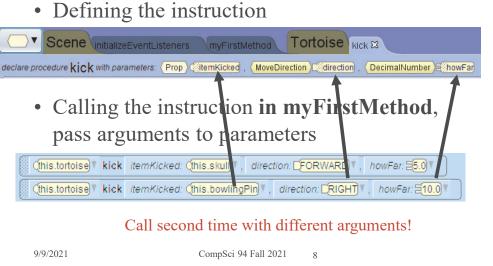
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Review

Defining instruction, Calling instruction

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Q1. Camera Views

- How do you line up the animals in the front in a line?
- How do I make sure the animal behind the ogre is directly behind it?



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Use 2D sideview for both

- Line up animals
- Move marchHare close to Ogre





Q2. Setup Scene

• What other views can you use beside Starting Camera View?

Q2. Setup Scene

- What other views can you use beside Starting Camera View?
 - 2D TOP view
 - 2D SIDE view
 - 2D FRONT View
 - Layout Scene View



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Q3. Camera Markers

• How does one create a camera marker?

• How does one use a Camera Marker during animation?

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Q3. Camera Markers

- How does one create a camera marker?
 - Move camera to location.
 - Click on add camera marker in scene setup
 - Give camera marker a name.
- How does one use a Camera Marker during animation?
 - Use camera with moveAndOrientTo instruction to change a scene.

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Q4. More on Camera markers

- When do you add Camera markers?
- What do these buttons mean?



Q4. More on Camera markers

- When do you add Camera markers?
 - LAST, after the objects are placed
- What do these buttons mean?
- A) Move camera to

 Camera marker

 C) Select camera

 marker

 cameraStartView

 cameraSideView

 Add Camera Marker...

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B) Move camera marker to camera

Q5. Setting up a CameraMarker

- How does one setup camera for side view?
 - (give all the steps you would do)



Q5. Setting up a CameraMarker

- How does one setup camera for side view?
 - Using one-shots, have camera **move to** hare.
 - Then camera **orientToUpright**
 - Camera move up 1.0
 - Camera move right 6.0
 - Camera turn left 0.25
 - Use purple arrows to adjust view.





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Class Today

- Continue writing procedures with parameters
- Moving between camera views



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