CompSci 94 Camera Controls September 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

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



Defining instruction, using parameters

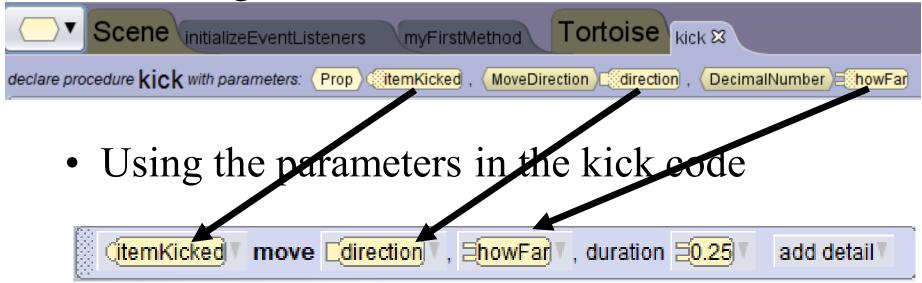
• Defining the instruction



• Using the parameters in the kick code

Defining instruction, using parameters

Defining the instruction



Defining instruction, Calling instruction

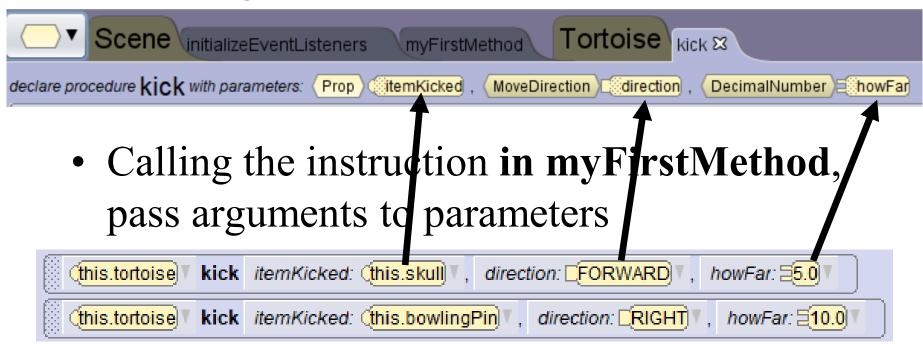
Defining the instruction



• Calling the instruction in myFirstMethod pass arguments to parameters

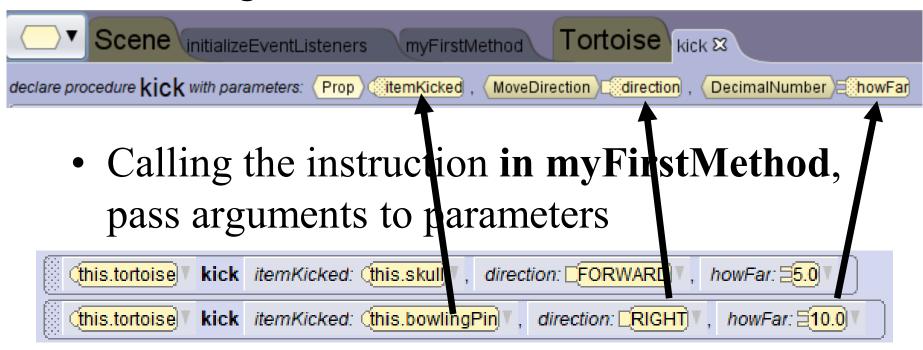
Defining instruction, Calling instruction

Defining the instruction



Defining instruction, Calling instruction

Defining the instruction



Call second time with different arguments!

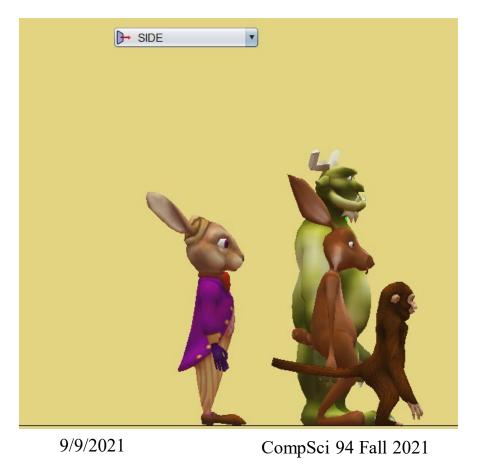
Q1. Camera Views

- 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?



Use 2D sideview for both

- Line up animals
- Move marchHare close to Ogre





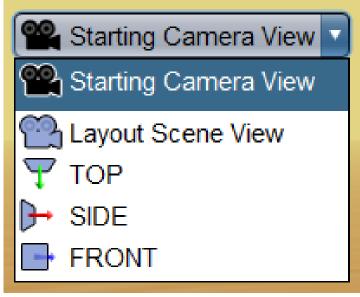
Q2. Setup Scene

• 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



Q3. Camera Markers

How does one create a camera marker?

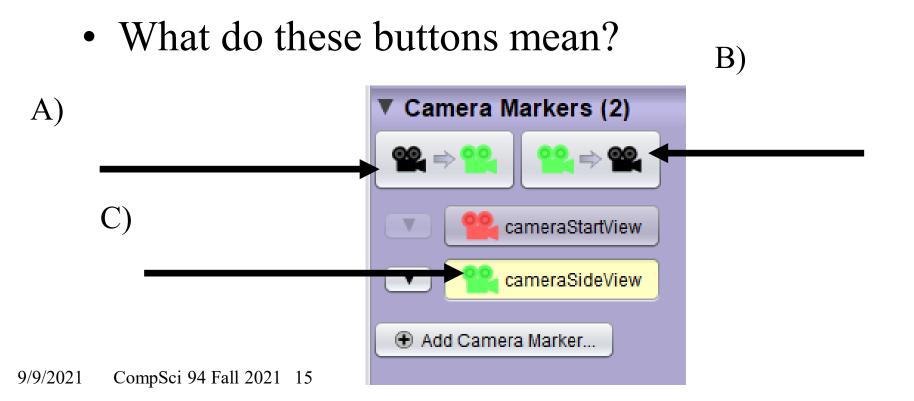
• How does one use a Camera Marker during animation?

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.

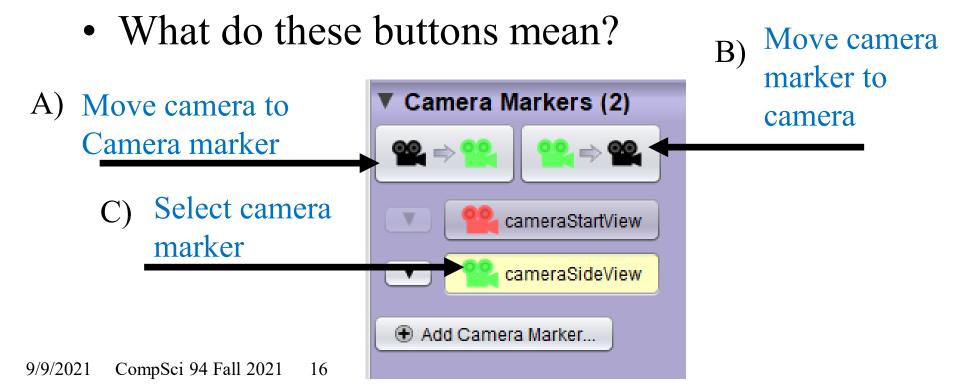
Q4. More on Camera markers

When do you add Camera markers?



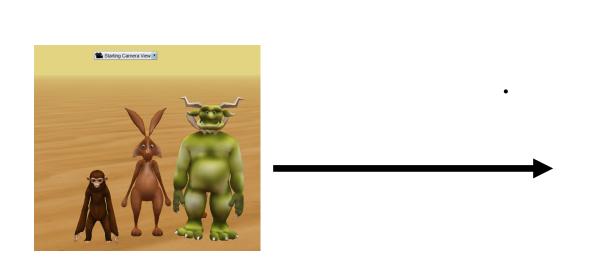
Q4. More on Camera markers

- When do you add Camera markers?
 - LAST, after the objects are placed



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.





Class Today

- Continue writing procedures with parameters
- Moving between camera views

