CompSci 94 KeyPressListener, Collision Listeners November 15, 2022	Announcements <ul> <li>Assignment 5 is due Thursday, November 17</li> <li>Assignment 6 out, has several deadlines</li> </ul>
Visit <tr< td=""><td><ul> <li>Watch videos and online quiz for Thursday</li> <li>Exam 3 is November 29, after Thanksgiving <ul> <li>Study materials on Nov 29 date on our calendar</li> </ul> </li> </ul></td></tr<>	<ul> <li>Watch videos and online quiz for Thursday</li> <li>Exam 3 is November 29, after Thanksgiving <ul> <li>Study materials on Nov 29 date on our calendar</li> </ul> </li> </ul>
Q1: How do I get the hare to turn around?	Q2: What happens if I press letter A? If I press the letter T?
Image: Sector	Image: Section of the section of th

## Q3: What happens if press letter A? Q4: What does Combine and If press letter T? Fire Multiple do? this addKeyPressListener add detail this addKeyPressListener, multipleEventPolicy COMBINE , heldKeyPolicy FIRE\_MULTIPLE declare procedure keyPressed [Cevent isLetter ] Cevent isDigit do in order declare procedure keyPressed [ Cevent isLetter ] Cevent isDigit [ Cevent getKey] if [ Cevent / isLetter / is true then do in order if Devent isKey RIGHT is true then (this.pig) turn [RIGHT], 51.0 add detail else (this.whiteRabbit move RIGHT), 20.25 add detail else if ) event isKey T is true then Cevent isKey CUP is true then if this.panda turn [RIGHT], 51.0 add detail (this.whiteRabbit move FORWARD , 20.25) add detail else else drop statement here drop statement here CompSci 94 Fall 2022 CompSci 94 Fall 2022 9 7 Q6: What happens when Q5: What happens when ... panda collides with a bunny? a) whiteRabbit collides with a bunny? this] addCollision StartListener [ (this] .bunnies] . [new SThing[] { (this.whiteRabbit, (this.panda)] b) pig collides with a bunny? c) declare procedure collisionStarted (Eevent getSThingFromSetA) (Eevent getSThingFromSetB) do in order whiteRabbit collides with panda? d) this.whiteRabbit turn RIGHT, 21.0 add detail this] addCollision StartListener 🗧 (this) 🛛 .bunnies 🔍 , 🛛 new SThing[] { (this.whiteRabbit), (this.panda) } declare procedure collisionStarted (Eevent getSThingFromSetA) event getSThingFromSetB a) panda collides with a bunny? do in order event getSThingFromSetB == (this.whiteRabbit is true then (this.whiteRabbit) say ("hello") add detail b) white Rabbit collides with a bunny? else if event getSThingFromSetB == (this.panda) is true then (this.panda) say s("hello" add detail else this.pig say ("hello") add detail Note: bunnies is an array of bunnies 11 CompSci 94 Fall 2022

## Q7: Clicking on an array object

- There is an array of bunnies. When a bunny collides with panda, you want the bunny that collided with the panda to say hello and turn around once.
- Why doesn't this code work?



## Class Today

• A game with collisions



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