# CompSci 94 Scorers and Timers November 2, 2021

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#### Announcements

- Videos and online quiz for next time
- Assignment 5 out today

# Q1: What do you use in Alice to keep track of and display a score?

#### Q1: What do you use in Alice to keep track of and display a score?

- TextModel
- TextModel property of type wholeNumber



- The property keeps track of the score value
- The textModel displays the score value

#### Q2: What code would you put in the Procedure InitializeScore?

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- Set the property to 0
- Display the property as a textString "0"
- Make the score value visible turn on the

score

```
Scene initializeScorer with parameter: WholeNumber startValue

do in order

this setValue

this setValue

this setOpacity 1.0 add detail
```

#### Q3: What code would you put in the procedure updateScore?

# Q3: What code would you put in the procedure updateScore?

- Add one to the property
- Display the properties value as a textString

```
declare procedure updateScorer with parameter: WholeNumber amount Add Parameter...

do in order

this setScoreNumber scoreNumber: this setValue for this set
```

Q4: If the game is click on a bunny and get a point, where do you update the score in the program?

# Q4: If the game is click on a bunny and get a point, where do you update the score in the program?

- Must have an event for clicking on a bunny, a mouseClickedOnObjectListener.
- Update the score in this event.

# Q5: What do you use in Alice to keep track of and display a timer?

#### Q5: What do you use in Alice to keep track of and display a timer?

- TextModel
- TextModel property of type wholeNumber

- The property keeps track of the timer value
- The textModel displays the timer value

#### Q6: What would the Procedure InitializeTimer do?

#### Q6: What would the Procedure InitializeTimer do?

- Set the property to 20? 30? How many seconds do you want to give the player to play the game?
- Display the property as a textString "20"
- Make the timer value visible turn on the timer

# Q7: What would the procedure updateTimer do?



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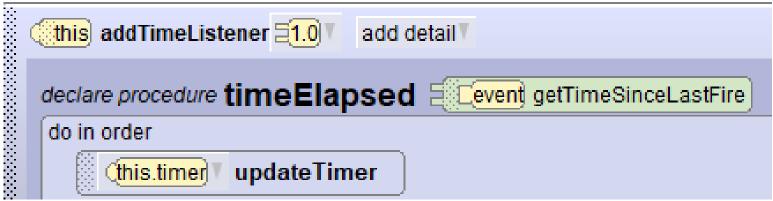
- Subtract one from the property
- Display the properties value as a textString



# Q8: Where in the program do you update the timer?

# Q8: Where in the program do you update the timer?

- Use an event addTimeListener
- Can set how often you want the event to run. Run it every 1.0 second.



#### Class Today

• Add a scorer and timer to the game from last time.

