

# CompSci 94

## Introduction to Programming

### Animation and Virtual Worlds

August 29, 2024



Prof. Susan Rodger

CompSci 94 Fall 2024

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## Review : How CompSci 94 Works

- BEFORE CLASS
  - Watch Alice videos – 30-60 minutes
    - Build Alice project as you watch
  - Take Quiz on Sakai – (turns off when class starts)
- IN CLASS
  - Review Content from Videos – Class Participation!
  - Classwork: Write an Alice program
  - Get Classwork checked off
- AFTER CLASS
  - Complete work not finished in class – checkoff next class
  - Assignments

Sometimes we will check you are writing on lecture notes

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## Practice, Practice, Practice

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## Practice, Practice, Practice



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## Practice results in Success

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## Practice results in Success



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## Don't get behind!!!

- Difficult to catch up...

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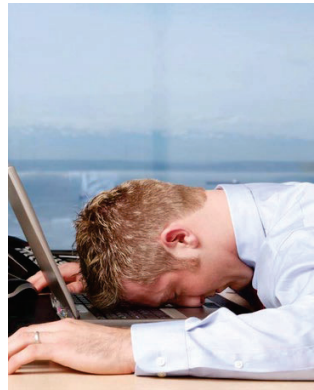
8

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- Difficult to catch up...

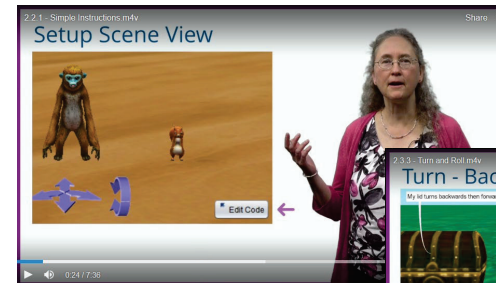


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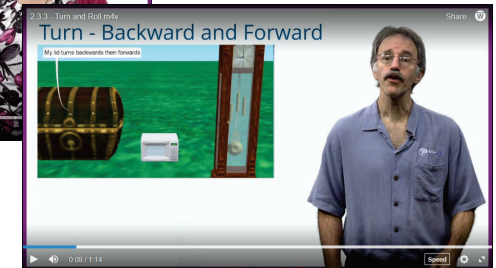
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# Videos/Quizzes Don't get behind!



Susan Rodger  
Duke University

Steve Cooper  
Univ. Nebraska, Lincoln



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## Video Review

- Where do you find objects in Alice?
- How do you add objects to the scene?
- In which class do you find people?
- In which class do you find eagle?



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## Video Review

- Where do you find objects in Alice?
  - Go to scene setup
  - Search through class folders
- How do you add objects to the scene?
  - Drag objects in or double click on them
  - People builder
    - Make person – toddler to elder
- In which class do you find people?
  - Biped folder
- In which class do you find eagle?
  - Flyer folder



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## Video Review

- How do I move/turn the panda with a mouse?



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## Video Review

- How do I move/turn the panda with a mouse?
  - Click and drag
    - Move left/right and forward/backward
  - Hold shift key down and drag
    - Move up/down
  - Hold control/CTRL key down and drag
    - Turning



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## Video Review

- Instructions – what additional info goes with them?
  - Move
  - Turn
  - Say



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## Video Review

- Instructions – what additional info goes with them?
  - Move
    - Direction, how far
  - Turn
    - Direction, how much of a rotation (e.g, 0.25)
  - Say
    - TextString phrase



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## Video Review

- What is a one-shot?
- Give an example for how a one-shot might be useful.

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## Video Review

- What is a one-shot?
  - In setup scene, execute an instruction and it happens instantly
- Give an example for how a one-shot might be useful.
  - In setup know how far an object is from another object
  - In setup place object then move off screen with one-shot, so you know how far to bring it in

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## Video Review – what data types?

### DATA

### TYPE

- 5.8
- “CompSci 94”
- right
- 6
- 


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## Video Review – what data types?

### DATA

### TYPE

- 5.8
  - “CompSci 94”
  - right
  - 6
  - 
- Decimal number
  - TextString
  - Direction
  - Whole number
  - Object

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# Announcements

- Assignment 1 due Thursday, Sept 5
  - Do at least five levels of exercise, submit a picture of how far you got
  - Submit in Canvas under Assignments
    - **Fill out reflect form for each assignment**
- Watch videos and take QZ2 for Tuesday
- Classwork today
  - Check off when finished, or check off next time

# Class Today

- Build project with panda on the moon

