

# CompSci 94

## Random Numbers

September 21, 2021

Prof. Susan Rodger



## Announcements

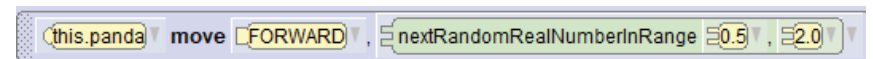
- Exam 1 is Sept 28
- Review on Thursday
- Assignment 3 due Sept 30
  - Best to complete before the exam!
- NO QZ for Thursday
  - QZ09 due Thursday Sept 30 – 10:15am
- Don't get behind, be sure to check your grades on Sakai for Classwork

## Q1 Constant Variable

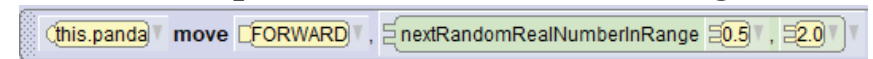
- What is a constant variable?
- How do you create a constant variable in Alice?
- How do you use a constant variable?

## Q2 Random Numbers

- What is a random number?
- In Alice, how does one get the random number in this instruction?



- Give examples of numbers in this range?



## Q3 Random Integers

- How many different integers are a possibility with this statement?

```
constant WholeNumber someNumber ← nextRandomIntegerFromAUpToButExcludingB 2 5
```

## Q4 Code with Random

- After this code runs, is the Panda in the same place it started in?



```
do in order
  this.panda move FORWARD , nextRandomRealNumberInRange 2.0 5.0
  this.panda move BACKWARD , nextRandomRealNumberInRange 2.0 5.0
```

## Class Today

- Working with random numbers

