CompSci 94
Writing your own Functions
October 27, 2022

Prof. Susan Rodger

Announcements

- Sakai QZ and videos for next Thursday
- Assignment 4 due Tues, Nov 8

- More review for Exam 2
- Exam 2 on Nov 1
  - See old exams on calendar page
  - See notes from last time

Review arrays

Looping in Array – when and how to use each one

- For each in

- Each in together

Arrays

- How do you create an array?

- Where should you create an array?

- How do you access a value in an array?

- What is the advantage of using an array?

Now on to new material!

Function vs Procedure

- What is the difference between a function and a procedure?

Write a function called tallerHeight to compute the height of the tallest of two objects.

- What type of function should it be? Where do you create it?

- What is the return type?

- Need two parameters, what are their types?

Q1. What line of code do we have to put in every function?

Q2 What is the code for tallerHeight?

Q3 Given a bear and a flamingo, how does one use the function tallerHeight?

- Have panda say what the taller height is of the bear and flamingo.

Q4. Write a function called tallerObject to return the object who is taller of two objects.

- What type of function should it be? Where do you create it?

- What is the return type?

- Need two parameters, what are their types?

Q5 What is the code for tallerObject?

Q6 How do you get the taller of the bear and flamingo to say they are taller using function tallerObject?

Q7 How do you write code for ?

- The taller of the bear and flamingo to turn around once

- The bear to double in size (so it is taller)

- The taller of the bear and flamingo to turn around once.

Class Today

- Jumping cat calculating how high and how far to jump, and other things…