CSE 160 Section 3 Problems

1. Write a function odd(num) that returns True if a number is odd and False if a number is even. Your function should take in an integer num and return a boolean.

2. Write a function that calculates and returns the average of ages. You are not allowed to use Python's built-in sum() function. Your function should take in the list ages as a parameter and return the average.

      For example, ages may look like: ages = [20, 21, 20, 22, 19, 18, 14, 35]

3. Given a function get_height(student) that computes the height of the student passed in, write a new function max_height(student_lst) that finds the maximum height of all the people in the class. Your function should take in a list of student names and return the maximum height. You can assume height is in inches.

      For example, get_height('nicholas') will return 75

- What is the return type of max_height(student_lst)?
- Suppose you modified your function to print the max height instead of return the max height, what would be the return type of max_height(students)?

CSE 160 Section 3 Solutions

1.   def odd(num):
                return num % 2 == 1

2.   def avg_age(ages):
            total = 0
            for age in ages:
                total = total + age
            avg = total / len(ages)
            return avg

3.   def max_height(class_lst):
            cur_max = 0
            for student in class_lst:
                student_height = get_height(student)
                if student_height > cur_max:
                    cur_max = student_height
            return cur_max

      Type when returning: int
      Type when printing: None

Name (first and last):

Email:

----

a) What is one thing you would change about SECTION?

b) Any general feedback for your section TA?

c) What about functions confuse you?

Name (first and last):

Email:

----

a) What is one thing you would change about SECTION?

b) Any general feedback for your section TA?

c) What about functions confuse you?