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:

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

b) Any general feedback for your section TA?

c) What about functions confuse you?

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Name (first and last):

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c) What about functions confuse you?