Lecture 22 Exercises

CS 51P – Fall 2019

class Classroom:

    def \_\_init\_\_(self, building, room, capacity):

        self.building = building

        self.room\_number = room

        self.capacity = capacity

    def get\_building(self):

    return self.building

    def get\_room\_number(self):

 return self.room\_number

    def get\_capacity(self):

    return self.capacity

    def set\_capacity(self, capacity):

    self.capacity = capacity

    def \_\_str\_\_(self):

        return(self.building + self.room\_number +

               ", capacity " + self.capacity)

room1 = Classroom("Edmunds", "114", 40)

room2 = Classroom("Edmunds", "101", 30)

print(room1)

print(room1.get\_capacity())

room1.set\_capacity(50)

print(room1.get\_capacity())

What gets printed when this code gets run?

Write a function enough\_space that takes two parameters: rooms (a list of Classrooms) and num\_people (int). The function should print the classrooms that have capacity greater than or equal to num\_people.

Write a main function that creates a list of two classrooms and then calls enough\_space with that list