

In-Class Exercise 3

February 24, 2015 — Due: March 3, 2015

Create a class `DrunkPerson`. Consider the situation of drunk people trying to walk from the pub to the hotel. Start with no `DrunkPersons`. At each time step (loop iteration) create a new `DrunkPerson` at the pub (position 0). Also, on each time step have every existing `DrunkPerson` take a step randomly forward (+1) or backward (-1). Once any `DrunkPerson` reaches the hotel (position 20), print out the current time and what time that `DrunkPerson` left the pub, and end the program. Time in this project refers to the loop iteration. You do **not** need to consider real world time.

Hints: To get a random of two numbers, first at the top of your file use the line `from random import randrange` then use `randrange(2)` to get a random number of 0 or 1. Just as with any other object, use `my_list.append(my_instance)` to add a new instance of an object to a list.