Exercise 3-1

Write a deterministic program, deterministicNumber, that returns an even number between 9 and 21.

def deterministicNumber():

'''

Deterministically generates and returns an even number between 9 and 21

'''

# Your code here

import random

def deterministicNumber():

'''

Deterministically generates and returns an even number between 9 and 21

'''

# Your code here

# Possible solutions:

def deterministicNumber():

return 10 # or 12 or 14 or 16 or 18 or 20

# or

def deterministicNumber():

random.seed(0) # This will be discussed in the video "Drunken Simulations"

return 2 \* random.randint(5, 10)

Exercise 3-2

Write a uniformly distributed stochastic program, stochasticNumber, that returns an even number between 9 and 21.

def stochasticNumber():

'''

Stochastically generates and returns a uniformly distributed even number between 9 and 21

'''

# Your code here

import random

def stochasticNumber():

'''

Stochastically generates and returns a uniformly distributed even number between 9 and 21

'''

# Your code here

# Possible solutions:

def stochasticNumber():

return 2 \* random.randint(5, 10)

# or

def stochasticNumber():

return random.randrange(10, 22, 2)

# or, again, something like that.