Lecture 08 Exercises

CS 51P – Fall 2019

What gets printed when the following main function gets run?

def print\_example(s4,s5):

 s1 = 3\*s4

 s2 = s4+s5

 print(s1)

 print(s2)

 return s1+s2

s1 = '!'

s2 = '?'

print(s1)

s3 = print\_example(s1,s2) print(s2)

print(s3)

print(s4)

Write a program to test the following function

def move(steps, direction):

 """

 Attempts to move the player <steps> steps in

 direction <direction>

 :param steps: (int) number of steps to move (may be

 negative)

 :param direction: (int) direction to move (a multiple

 of 90)

 :return: (int) number of steps successfully taken by

 player (equal to steps if didn't hit a wall)

 """

 if steps < 0:

 steps = -1\*steps

 direction = direction + 180

 direction = direction % 360

 return forward\_move(steps, direction)