Practice sheet by Percy Teng <3

1. Variables and Lists
   1. >>>Str\_1 = ‘hello’

>>>Str\_2 = str\_1[1]

>>>Str\_2

>>> \_\_\_\_\_\_\_\_

>>>Str\_1[1] = ‘joke’

>>>\_\_\_\_\_\_\_\_\_\_\_\_\_

>>>str\_2\*3

>>>\_\_\_\_\_\_\_\_\_\_\_\_

>>>str\_1 + str\_2

>>>int\_1 = 1

>>>float\_1 = 1.1

>>>int\_1 + float\_1

>>>\_\_\_\_\_\_\_

>>> bool\_1 = True

>>>bool\_2 = False

>>>bool\_1 and bool\_2

>>>\_\_\_\_\_\_\_\_\_\_\_\_\_\_

>>>bool\_1 or bool\_2

>>>\_\_\_\_\_\_\_\_\_\_\_\_\_\_

>>>bool\_2 or bool\_1

>>>\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. lis\_1 = [‘hello’, ‘world’, ‘coding, ‘with’, ‘percy’]

lis\_2 = lis\_1

lis\_2.append('good stuff’)

lis\_1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

lis\_1[2] = \_\_\_\_\_\_

lis\_1.remove(‘world’)

lis\_1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

lis\_1 + ‘Lie’

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

lis\_1 + lis\_2\*2 = \_\_\_\_\_\_\_\_\_\_\_

* 1. a = 5

b = 6

swap the value of a and b.

\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_

1. Arithmetic problems:
   1. 12/ 5 = \_\_\_\_\_\_\_
   2. 12 // 5 = \_\_\_\_\_\_\_
   3. 7 % 2 = \_\_\_\_\_\_
   4. 3 \*\* 4 = \_\_\_\_\_\_\_\_
2. Built in function
   1. >>>print(‘hola’)

>>>\_\_\_\_\_\_\_\_\_\_\_\_

>>>max(1,2,3,4,5)

>>>\_\_\_\_\_\_\_\_\_\_

>>>max(1)

>>>\_\_\_\_\_\_\_\_\_\_\_

>>>pow(2,3)

>>>\_\_\_\_\_\_\_

>>>pow(3)

>>>\_\_\_\_\_\_\_\_

>>>pow(5,2,4)

>>>\_\_\_\_\_\_\_\_

>>>abs(-2)

>>>\_\_\_\_\_\_\_

>>>abs(3)

>>>\_\_\_\_\_\_\_

>>>abs(0)

>>>\_\_\_\_\_\_\_

>>>round(3.4999)

>>>\_\_\_\_\_\_\_\_\_\_\_

>>>round(4.5)

>>>\_\_\_\_\_\_\_\_\_\_

1. functions

def avg(num1, num2):

“””

“”"

return (num1 + num2)/2

def double\_average(first\_number, second\_number):

“””(int, int) -> float

return the double value of the average of first\_number and second\_number

>>>double\_average(3,5)

8.0

>>>double\_average(3,0)

3.0

“””

Nested Function Order practice:

avg(avg(5,7), double\_average(6,8))