“Homework 7” Justin Minsk

1.

>>> 'tomato'.count('o')

2

2.

>>> 'tomato'.index('o')

1

3.

>>> 'tomato'.find('o', 2)

5

4.

>>> 'avocado'.find('o', 3)

6

5.

>>> 'runner'.replace('n', 'b')

'rubber'

6.

>>> s = ' yes '

>>> s

' yes '

b. .strip

7.

>>> fruit = 'pineapple'

>>> fruit.find('p', fruit.count('p'))

5

#fruit.count(‘p’) then fruit.find(‘p’,3)

>>> fruit.count(fruit.upper().swapcase())

1

Fruit.upper(‘pineapple’) then fruit.swapcase(‘PINEAPPLE’) then fruit .count(‘pineapple’)

>>> fruit.replace(fruit.swapcase(),fruit.lower())

'pineapple'

#fruit(‘pineapple’) then fruit.lower(‘PINEAPPLE’) then fruit.replace(‘pineapple’)

8.

>>> ('I love {0}').format(season)

'I love summer'

9.

>>> ('The sides have lengths {0}, {1}, and {2}.').format(side1, side2, side3)

'The sides have lengths 3, 4, and 5.'

10.

>>> 'boolean'.upper()

'BOOLEAN'

>>> 'CO2 H2O'.find('2')

2

>>> 'CO2 H2O'.find('2', 3)

5

>>> 'Boolean'.islower()

False

>>> "MoNDaY".lower().replace('m', 'M')

'Monday'

>>> " Monday".lstrip()

'Monday'

11.

def convert\_fuel(fuel, amount):

"""

convert\_fuel(str, number) -> float

Take either mpg or liters per 100km and convert it to the other form. This means takes mpg and

converts it to liters per 100km and vice versa.

>>> convert\_fuel('mpg', 45)

6.277333333333334 liters per 100km

>>> convert\_fuel('liters per 100km', 5)

47.0428 mpg

>>> convert\_fuel('liters per 100km', 2)

117.607 mpg

>>> convert\_fuel('liters per 100km', 6)

39.202333333333335 mpg

>>> convert\_fuel('mpg', 60)

4.708 liters per 100km

>>> convert\_fuel('mpg', 15)

18.832 liters per 100km

>>> convert\_fuel('mpg', 41)

6.889756097560976 liters per 100km

"""

boo = False

if fuel == 'MPG' or fuel == 'mpg':

amount = (282.48/amount)

print(amount,'liters per 100km')

boo = True

elif fuel == 'liters per 100km' or fuel == 'liters per 100KM' or fuel == 'liters per 100Km':

amount = (235.214/amount)

print(amount,'mpg')

boo = True

elif boo == False:

print('invalid entry')