Exercises

Resource Name: The Quick Python Book 3rd Edition

Chapter: #9

Step: #3

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QUICK CHECK: FUNCTIONS AND PARAMETERS

```
def number(*params):
   for i in reversed(params):
      print(i)
number(114,115,116)
```

    1) We can use no return stuff.
    2) Use the specific value

1) All of the changes will be saved.
2) + and – (append and remove methods)
3) Not using mutable types for these parameters.

1) x won't change.
2) The gobal variable x will be 2.

QUICK CHECK: GENERATOR FUNCTIONS

```python
def four(limit):
    x = 0
    while x < limit:
        print("in generator, x =", x)
        yield x
        x += 1

for i in four(4):
    print(i)
```

```python
def four(start, limit):
    x = start
    while x < limit:
        print('in generator, x =', x)
        yield x
        x += 1

for i in four(1, 4):
    print(i)
```

```python
def dec(my_func1):
   def my_func2(*args):
      return '<html>' + my_func1(*args) + '</html>'

   return my_func2


@dec
def myfunction(param):
   return param


print(myfunction('hello'))
```

Lab9: Useful Function

```python
def lower(l):
    word = l.lower()
    return word


def delete_punctuation(l):
    r = l.maketrans(".,?!:;", "")
    remove_punctuation = l.translate(r)
    return remove_punctuation


def text(l):
    text = l.split()
    text_2 = '\n'.join(text)
    return text_2


with open('moby_01.txt') as input, open('moby_01_clean.txt', 'i') as output:
    for l in input:
        lower_line = lower(l)
        text_3 = delete_punctuation(lower_line)
        s = text(text_3)
        output.write(s)


def count(b):
    a = {}
    for s in b:
        a[s] = a.get(s, 0) + 1
    return b


def most(a):
    list_1 = list(a.items())
    list_1.sort(key = lambda a: a[1])
    print(list_1[0], list_1[-1])


b = []
with open('moby_01_clean.txt') as input:
    for s in input:
        b.append(s.strip())

c = count(b)
common = most(c)
```