In [1]:
```
def myfunc(a,b):
    #returns 5% of the sum of a and b
    return sum((a,b)) * 0.05
```

In [2]:
```
myfunc(40,60)
```

Out[2]:
```
5.0
```

In [3]:
```
def myfunc(a,b,c=0,d=0,e=0):
    return sum((a,b,c,d,e)) * 0.05
```

In [4]:
```
myfunc(40,60,100)
```

Out[4]:
```
10.0
```

In [7]:
```
myfunc(40,60,100,100,3)
```

Out[7]:
```
15.15
```

In [8]:
```
def myfunc(*args):
    return sum(args) *0.05
```

In [10]:
```
myfunc(40,60,100,1)
```

Out[10]:
```
10.05
```

In [11]:
```
myfunc(40,60,100,1,34)
```

Out[11]:
```
11.75
```

In [12]:
```
def myfunc(*args):
    print(args)
```

In [13]:
```
myfunc(40,60,100,1,34)
```

```
(40, 60, 100, 1, 34)
```

In [16]:
```
def myfunc(*args):
    for item in args:
        print(item)
```

In [24]:
```
myfunc(40,60,100,1,34)
```

```
40
60
100
1
34
```

In [30]:
```
def myfunc(**kwargs):
    print(kwargs)
    if 'fruit' in kwargs:
        print('my fruit of choice is {}'.format(kwargs['fruit']))
    else:
        print('I did not find any fruit here')
```

In [31]:
```
myfunc(fruit='apple',veggie = 'lettuce')
```

```
{'fruit': 'apple', 'veggie': 'lettuce'}
my fruit of choice is apple
```

In [32]:
```
def myfunc(**jelly):
    print(jelly)
```

In [33]:
```
myfunc(fruit='apple',veggie = 'lettuce')
```

```
{'fruit': 'apple', 'veggie': 'lettuce'}
```

In [34]:
```
def myfunc(*args,**kwargs):

    print('I would like {} {}'.format(args[0],kwargs['food']))
```

In [35]:
```
myfunc(10,20,30,fruit='orange',food='eggs',animal='dog')
```

```
I would like 10 eggs
```

In [37]:
```
def myfunc(*args,**kwargs):
    print(args)
    print(kwargs)
    print('I would like {} {}'.format(args[0],kwargs['food']))
```

In [38]:
```
myfunc(10,20,30,fruit='orange',food='eggs',animal='dog')
```

```
(10, 20, 30)
{'fruit': 'orange', 'food': 'eggs', 'animal': 'dog'}
I would like 10 eggs
```

In [ ]:
```

```