In [1]:
```
dict(sape=4139, guido=4127, jack=4098)
{'sape': 4139, 'guido': 4127, 'jack': 4098}
```

Out[1]:
```
{'sape': 4139, 'guido': 4127, 'jack': 4098}
```

In [2]:
```
dict(ff=3564,guu=3454,hgfdf=6574)
```

Out[2]:
```
{'ff': 3564, 'guu': 3454, 'hgfdf': 6574}
```

In [3]:
```
knights = {'gallahad': 'the pure', 'robin': 'the brave'}
for k, v in knights.items():
    print(k, v)
```

```
gallahad the pure
robin the brave
```

In [4]:
```
for i, v in enumerate(['tic', 'tac', 'toe']):
    print(i, v)
```

```
0 tic
1 tac
2 toe
```

In [6]:
```
questions = ['name', 'quest', 'favorite color']
answers = ['lancelot', 'the holy grail', 'blue']
for q, a in zip(questions, answers):
    print('What is your {0}?  It is {1}.'.format(q, a))
```

```
What is your name?  It is lancelot.
What is your quest?  It is the holy grail.
What is your favorite color?  It is blue.
```

In [14]:
```
qeutions=[" fav flim","food","place"]
ans=["ex100","biryani","bng"]
for q,a in zip(qeutions,ans):
    print("what is your {0},it is {1}.".format(q,a))
```

```
what is your  fav flim,it is ex100.
what is your food,it is biryani.
what is your place,it is bng.
```

In [7]:
```
for i in reversed(range(1, 10, 2)):
    print(i)
```

```
9
7
5
3
1
```

In [11]:
```
for i in reversed(range(1,24,5)):
    print(i)
```

```
21
16
11
6
1
```

In [8]:
```
basket = ['apple', 'orange', 'apple', 'pear', 'orange', 'banana']
for i in sorted(basket):
    print(i)
```

```
apple
apple
banana
orange
orange
pear
```

In [10]:
```
shu=["ghi","jfhu","fbhfb"]
for i in sorted(shu):
    print(i)
```

```
fbhfb
ghi
jfhu
```

In [16]:
```
shu=["ghi","jfhu","fbhfb","ghi"]
for i in sorted(set(shu)):
    print(i)
```

```
fbhfb
ghi
jfhu
```

In [18]:
```
import math
raw_data = [56.2, float('NaN'), 51.7, 55.3, 52.5, float('NaN'), 47.8]
filtered_data = []
for value in raw_data:
    if not math.isnan(value):
        filtered_data.append(value)
filtered_data
```

Out[18]:
```
[56.2, 51.7, 55.3, 52.5, 47.8]
```

In [21]:
```
string1, string2, string3 = '', '', 'Hammer Dance'
non_null = string1 or string2 or string3
non_null
```

Out[21]:
```
'Hammer Dance'
```

In [22]:
```
(1, 2, 3)              < (1, 2, 4)
[1, 2, 3]              < [1, 2, 4]
'ABC' < 'C' < 'Pascal' < 'Python'
(1, 2, 3, 4)           < (1, 2, 4)
(1, 2)                 < (1, 2, -1)
(1, 2, 3)             == (1.0, 2.0, 3.0)
(1, 2, ('aa', 'ab'))   < (1, 2, ('abc', 'a'), 4)
```

Out[22]:
```
True
```

In [ ]: