

异常处理

In [1]:

```
try:
    age=int(input('Age: '))
    income=2000
    risk=income/age
    print(age)
except ZeroDivisionError:
    print('Age cannot be 0.')
except ValueError:
    print('Invalid value')
```

Age: 20
20

类

In [2]:

```
class Point:
    def move(self):
        print('move')
    def draw(self):
        print('draw')

point1=Point()
point1.draw()
point1.x=10
point1.y=20
print(point1.x)
point1.draw()

point2=Point()
point2.x=1
print(point2.x)
```

draw
10
draw
1

构造函数

In [3]:

```
class Point:
    def __init__(self, x, y):
        self.x=x
        self.y=y

    def move(self):
        print('move')

    def draw(self):
        print('draw')

point=Point(10,20)
point.x=10
print(point.x)
```

10

In [4]:

```
# 练习答案
class Person:
    def __init__(self, name):
        self.name=name

    def talk(self):
        print(f'Hi, I am {self.name}')

john=Person('John Smith')
john.talk()

bob=Person('Bob Smith')
bob.talk()
```

Hi, I am John Smith
Hi, I am Bob Smith

继承

In [5]:

```
class Mammal:
    def walk(self):
        print('walk')

class Dog(Mammal):
    def bark(self):
        print('bark')

class Cat(Mammal):
    def be_annoying(self):
        print('annoying')

dog1=Dog()
dog1.walk()
```

walk

模块

In [6]:

```
def lbs_to_kg(weight):
    return weight * 0.45

def kg_to_lbs(weight):
    return weight/0.45
```

In [7]:

```
import converters
from converters import kg_to_lbs

kg_to_lbs(100)

print(converters.kg_to_lbs(70))
```

```
-----
ModuleNotFoundError                                Traceback (most recent call last)
<ipython-input-7-8c3096f6f305> in <module>
----> 1 import converters
      2 from converters import kg_to_lbs
      3
      4 kg_to_lbs(100)
      5
```

ModuleNotFoundError: No module named 'converters'

In []:

```
def find_max(numbers):  
    max=numbers[0]  
    for number in numbers:  
        if number>max:  
            max=number  
    return max
```

In []:

```
from utils import find_max  
  
numbers=[10,3,6,2]  
max=find_max(numbers)  
print(max)
```