Dynamic	Static
Python	C, Java

Dynamic:
```
my_thing = 3>
:
my_thing = "Joe"
    ↗
```

Static:
```
int my_thing = 31
:
my_thing = "Joe"
    ↗      ✗
```

Object Oriented Programming

Programming Paradigms
- Procedural ✓
- OOP ✓
- Functional ✓

Objects have:
- attributes
- methods

Person obj
- name
- 1 name
- hair color
- eye color
- sleep()
- talk()

- Encapsulation
  objs contain their data
- Inheritance
  is-a
- Polymorphism