Python Basics - Object Oriented Programming Cheat Sheet

by Mario (mariofreitas) via cheatography.com/42813/cs/13220/

Class - Syntax

```
class Dog(object):
        living = True
       age = 0
       def __init __( self, name, sex):
                sel f.name = name
                sel f.sex = sex
       def bark(s elf):
                pri nt( f"{s elf.name} barked !")
luke = Dog('L uke', 'Male')
print( f"Name: {luke.n am e}")
print( f"Sex: {luke.s ex }")
print( f"Li ving: {luke.l iv ing }")
print( f"Age: {luke.a ge }")
luke.b ark()
```

Name: Luke
Sex: Male
Living: True
Age: 0
Luke barked!

Class - Magic Methods

`__init __( self, other)`	Overrides object creation method
`__repr __( self)`	Overrides object string representation
`__add_ _(self, other)`	Overrides **+** operator
`__sub_ _(self, other)`	Overrides **-** operator
`__mul_ _(self, other)`	Overrides ***** operator
`__floo rdi v__ (self, other)`	Overrides **//** operator
`__true div __( self, other)`	Overrides **/** operator
`__mod_ _(self, other)`	Overrides **%** operator
`__pow_ _(self, other[, modulo])`	Overrides ****** operator
`__lt__ (self, other)`	Overrides **<** comparison operator
`__le__ (self, other)`	Overrides **<=** comparison operator
`__eq__ (self, other)`	Overrides **==** comparison operator

Class - Magic Methods (cont)

`__ne__ (self, other)`	Overrides **!=** comparison operator
`__ge__ (self, other)`	Overrides **>=** comparison operator
`__gt__ (self, other)`	Overrides **>** comparison operator
`__call __( self[, args...])`	Overrides **( )** operator
`__int_ _(self)`	Overrides **int()** method
`__floa t__ (self)`	Overrides **float()** method
`__str_ _(self)`	Overrides **str()** method
`__abs_ _(self)`	Overrides **abs()** method
`__len_ _(self)`	Overrides **len()** method
`__cont ain s__ (self, item)`	Overrides **in** keyword behavior

OOP - Inheritance

```
class Vehicle(object):
       def honk(s elf):
                pri nt( 'Honk honk')
class Car(Ve hicle):
       def accele rat e(s elf):
                pri nt( 'Vr ooom')
honda = Car()
honda.h onk()
honda.a cc ele rate()
```

Honk honk
Vrooom

By **Mario** (mariofreitas)

cheatography.com/mariofreitas/
github.com/MarioRaul/

Not published yet.
Last updated 22nd October, 2017.
Page 1 of 1.

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com