Cheat Sheet - Python (Adrián) Cheat Sheet

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Introduction

Variable & Operator & Casting & Input

String	`name = " Cho pit o"`
Int	`number = 13`
Operator	`+ - * / // %`
Input	`example = input( " Who ?:")`
Casting	`number = int(in put ("is 1?:"))`

Print & Type

Print	`print( " nam e:", name)`
Printf	`print( f"na me: {na me} ")`
Type	`type(name)`

Conditional

IF	`(if elif else)`
MATCH	`match option: case 1: case _:`

Loop

For	`for i in range(10) | for x in y`
While	`while n <= 13:`

List

List	`exampl e_list = ["hi ", " bye ", 13]`
Len	`len(ex amp le_ list)`
Position	`exampl e_l ist[0]`
Range	`exampl e_l ist [0:1] | exampl e[- 1: -2]`
In	`" hi" in exampl e_list`
Index	`exampl e_l ist.in dex ("by e")`

Dictionary

Dictionary	`numbers = {"on e": 1, " thi rte en": 13}`
Position	`number s["t hir tee n"]`
Key	`number s.k eys()`
Value	`number s.v alues()`
For in Dictionary	`for key, value in list.i tems():`
Add with key	`number s["t wo"] = 2`
Remove with key	`number s.p op( " two ")`
Update with key	`number s["t wo"] = 5`

Introduction

Function

Function	`def name(a, b):`

Compression List

List	new_list = [exp for x in y if con]

OOP

OOP

Init	`def __init __( self, x: str = " y"):`
Str	`def __str_ _(s elf): return f"y: {se lf .x }"`
@class-method	`You can call it without a instance`

Inheritance

Inheritance	`class Car(Ve hicle):`
Super	`super( )._ _in it_ _(name)`
Override	`@override`
Override	`from typing _ex ten sions import overri de`
Protected & Private	`(Pro)_ (Pri)__`

Map Filter Reduce

High level orders	`def saluda (no mbre, funcion):`
lambda	`even = lambda n: n % 2 == 0`
map()	`list(m ap( lambda n: n % 2 == 0, lis t)`
filter()	`list(f ilt er( lambda n: n < 0, list ))`
reduce()	`from functools import reduce`

reduce() example
`reduce(lambda x, y: x + y, list(filter(lambda n: n < 0, list)))`