Cheatography

Popular Methods Cheat Sheet Cheat Sheet

by Redjumpman via cheatography.com/35253/cs/11087/

String Methods

str.isdigit()	Returns Boolean
str.title()	Capitalize Every First Letter
str.lower()	Lowercase first Letter
str.upper()	Capitalizes First letter
str.startswith(prefix[, start[, end]])	Returns Boolean
str.split(sep=None, maxsplit=-1)	Returns a list
str.join(iterable)	Glues an iterable together with a string
str.endswith(prefix[, start[, end]])	Returns a Boolean
str.replace(old, new[, count])	Returns a new string
str.format(*args,* *kwargs)	Insert args/kwargs into a string

Built-in Functions

all(iterable)	Check if all elements are True. Returns boolean.	all([True, True, True)]

Built-in Functions (cont)

any(iterable)	Check if any element is True. Returns Boolean	"24".isdigit()
divmod(a, b)	Returns quotient and remainder	"hello world".title()
int()	Returns an integer	"Hello World".lower()
max()	Returns largest item in an iterable	"hello world".upper()
map()	Returns a map object with a function applied to each element	"Hello World".startswith("Hello")
min()	Returns smallest item in an iterable	"The, fox, is, crazy".split(',')
reversed()	Reverse order of a squence	"\n".join(["Three", "new", "Lines"])
sorted(iterable[, key][, reverse])	Returns new iterable sorted by specification	"Hello World".endswith("World")
str()	Returns a string	"Hello n World".replace("n", "and")
sum(iterable[, start])	Returns the sum of an iterable	"The {} jumped {}.".format(animal, height)
zip(*iterables)	Creates a sequence, where each corresponding element is paired	any([True, False, False])
		divmod(24, 7)
		int("24")
		max([1, 10, 4])
		map(str, [1, 2, 3])
		min([1, 10, 4])
		reverse([1, 2, 3, 4])
		sorted([5, 2, 3, 1, 4])
		str(24)
		sum([1, 2, 3, 4])
		zip([1, 2, 3], [4, 5, 6])

Reminders

Watch out for Python 2.7 code and libraries. They are not compatible with Python 3

Ints, Floats, Complex, Booleans, Strings, Tuples, and bytes are immutable

Dictionaries are by default unordered prior to Python 3.6

Readability is important than speed 95% of the time

Always put spaces between operators: 5 + 3

Use *is* instead of == when checking for None.

Don't use blind excepts in try/except blocks.

Everything is a public method. Nothing is completely private.

Find out what tools are available in the standard library. Don't reinvent the wheel.

Don't over optimize your code when writing it for the first time.

List, Generator, and Dictionary comprehensions are your friends. Don't make them an enemy through over complication.

Remember PEP8. Test, Test, Test.

Refactor your code after your have finished writing it the first time.

The differences in polling/blocking vs non-polling/non-blocking

By **Redjumpman**

cheatography.com/redjumpman/

Not published yet.

Last updated 5th March, 2017.