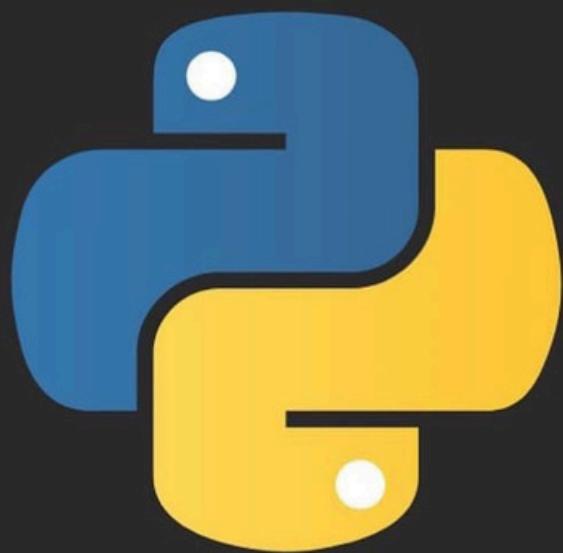




Essential Python Cheat Sheet



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DATA TYPES

Integer	-256, 15
Float	-253.23, 1.253e-10
String	"Hello", 'Goodbye', """Multiline"""
Boolean	True, False
List	[value, ...]
Tuple	(value, ...)1
Dictionary	{ key: value, ... }
Set	{ value, value, ... }2



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Arithmetic Operators

$x + y$ add
 $x - y$ subtract
 $x * y$ multiply
 x / y divide
 $x \% y$ modulus
 $x ** y$ x^y

Comparison Operators

$x < y$	Less
$x <= y$	Less or eq
$x > y$	Greater
$x >= y$	Greater or eq
$x == y$	Equal
$x != y$	Not equal



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Statements

If Statement

if expression:

 statements

elif expression:

 statements

else:

 statements

While Loop

while expression:

 statements

For Loop

for var in collection:

 statements

Counting For Loop

for i in range(start, end [, step]):

 statements

(start is included; end is not)



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Conversion Functions

`int(expr)` Converts expr to integer

`float(expr)` Converts expr to float

`str(expr)` Converts expr to string

`chr(num)` ASCII char num



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String / List / Tuple Operations

<code>len(s)</code>	length of s
<code>s[i]</code>	i th item in s (0-based)
<code>s[start : end]</code>	slice of s from start (included) to end (excluded)
<code>x in s</code>	True if x is contained in s
<code>x not in s</code>	True if x is not contained in s
<code>s + t</code>	the concatenation of s with t
<code>s * n</code>	n copies of s concatenated
<code>sorted(s)</code>	a sorted copy of s
<code>s.index(item)</code>	position in s of item



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More String Operations

`s.lower()` lowercase copy of s

`s.replace(old, new)` copy of s with old replaced with new

`s.split(delim)` list of substrings delimited by delim

`s.strip()` copy of s with whitespace trimmed

`s.upper()` uppercase copy of s



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Dictionary Operations

<code>len(d)</code>	Number of items in d
<code>del d[key]</code>	Removes key from d
<code>key in d</code>	True if d contains key
<code>d.keys()</code>	Returns a list of keys in d

Exception Handling

Exception Handling

`try:`

`statements`

`except [exception type [as var]]:`

`statements`

`finally:`

`statements`

More Here: t.me/TechPsyche



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