

Python Cheat Sheet

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Keyword	Description	Code example
False, True	Boolean data types	<code>False == (1 > 2), True == (2 > 1)</code>
None	Empty value constant	<pre>def f(): x = 2 f() == None # True</pre>
and, or, not	Logical operators: “x and y” → both x and y must be True “x or y” → either x or y must be True “not x” → x must be false	<pre>x, y = True, False x or y == True # True x and y == False # True not y == True # True</pre>
break	Ends loop prematurely	<pre>while(True): break # no infinite loop print("hello world")</pre>
continue	Finishes current loop iteration	<pre>while(True): continue print("43") # dead code</pre>
class	Defines a new class → a real-world concept (object oriented programming)	<pre>class beer: x = 1.0 # litre def drink(): x = 0.0</pre>
def	Defines a new function	
if, elif, else	Conditional program execution: program starts with “if” branch, tries all “elifs” branches, and finishes with “else” branch (until one branch evaluates to True).	<pre>x = int(input("your value: ")) if x > 3: print("Big") elif x == 3: print("Medium") else: print("Small")</pre>
for, while	<pre># For loop declaration for i in [0,1,2]: print(i)</pre>	<pre># The same while loop j = 0 while j < 3: print(j) j = j + 1</pre>
in	Tests if element is in sequence	<code>42 in [2, 39, 42] # True</code>
is	Tests whether both element point to the same object	<pre>3 is 3 # True [3] is [3] # False</pre>
lambda	Function with no name	<pre>f = lambda x: x + 3 f(3) # return value is 6</pre>
return	Defines the result of a function	<pre>def incremator(x): return x + 1 incremator(4) # returns 5</pre>

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