

# Cheatography

## Learn Python the Hard Way - Symbol Review Cheat Sheet by dicewitch (dicewitch) via [cheatography.com/38332/cs/11977/](http://cheatography.com/38332/cs/11977/)

Keywords			Keywords (cont)			Keywords (cont)		
Keyword	Description	Example	for	Loop over a collection of things.	for X in Y: pass	return	Exit the function with a return value.	def X(): return Y
and	Logical and	True and False == False	from	Importing specific parts of a module.	from x import y`	try	Try this block, and if exception, go to except.	try: pass
as	Part of the with-as statement	with X as Y: pass	global	Declares a global variable	global X	while	While loop	while X: pass
assert	Assert that something is true.	`assert False, "Error!"`	if	If condition	if: X; elif: Y; else: J	with	With an expression as a variable do.	with X as Y: pass
break	Stop this loop right now.	while True: break	import	Import a module into this one to use.	import os	yield	Pause here and return to caller.	def x(): yield Y; X().next()
class	Define a class.	class Person(obj ect)	in	Part of for-loops. Also a test of X in Y.	for X in Y: pass also 1 in [1] == True			
continue	Don't process more of the loop, do it again.	while True: continue	is	Like == to test equality	1 is 1 == True			
def	Define a function.	def X(): pass	lambda	Create a short anonymous function	s = lambda y: y ** y; s(3)			
del	Delete from dictionary.	del X[Y]	not	Logical not	not True == False			
elif	Else if	if: X; elif: Y; else: J	or	Logical or	True or False == True			
else	Else condition	if: X; elif: Y; else: J	pass	This block is empty.	def empty(): pass			
except	If an exception happens, do this.`	except ValueError, e: print e	print	Print this string.	print 'this string'			
exec	Run a string as Python	exec 'print "hello"'	raise	Raise an exception when things go wrong.	raise ValueError("No")			
finally	Exceptions or not, finally do this no matter what.	finally: pass						



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String Formats		
Escape	Description	Example
%d	Decimal int	"%d" % 45 == '45'
%o	Octal number	`%o` % 1000 == '1750'
%u	Unsigned decimal	"%u" % -1000 == '-1000'
%x	Hexadecimal lowercase	"%x" % 1000 == '3e8'
%X	Hexadecimal uppercase.	"%X" % 1000 == '3E8'
%e	Exponential notation, lowercase 'e'.	"%e" % 1000 == '1.000000e+03' '
%E	Exponential notation, uppercase 'E'.	"%E" % 1000 == '1.000000E+03' '
%f	Floating point real number.	"%f" % 10.34 == '10.340000'
%F	Same as %f.	"%F" % 10.34 == '10.340000'
%g	Either %f or %e, whichever is shorter.	"%g" % 10.34 == '10.34'
%G	Same as %g but uppercase.	"%G" % 10.34 == '10.34'
%c	Character format.	"%c" % 34 == ' "'
%r	Repr format (debugging format).	"%r" % int == " <code>&lt;type 'int'&gt;</code> "
%s	String format.	"%s there" % 'hi' == 'hi there'

String Formats (cont)		
%%	A percent sign.	"%g%%" % 10.34 == '10.34%'
String Escape Sequences		
\\\	Backslash	
\'	Single-quote	
\\"	Double-quote	
\a	Bell	
\b	Backspace	
\f	Formfeed	
\n	Newline	
\r	Carriage	
\t	Tab	
\v	Vertical tab	



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