Python Reference Guide



	Main d	es	String operations			List operations		
boolean = True / False integer = 10 float = 10.01 string = "123abc"				string[-1] retriev		es character at position i es last character es characters in range i to j	list = [] list[i] = x list[i] list[-1]	defines an empty list stores x with index i retrieves the item with index i retrieves last item
_	[value1, value2,]		String methods		list[i:j]	retrieves items in the range i to j		
	Numeric Operators Comparison Operators			string.upper()		converts to uppercase	del list[i]	removes the item with index i
+	addition	==	equal	string.lower() string.count(x	١	converts to lowercase counts how many times x		List methods
and or	subtraction multiplication division exponent modulus floor division olean Operators logical AND logical OR	# \n	not equal higher lower higher or equal lower or equal cecial characters comment new line	string.count(x) string.find(x) string.replace(x,y) string.islower() string.isupper() string.isalnum()	appears position of the first occurrence of x replaces x with y returns True if all characters are lowercase returns True if all characters are uppercase returns True if all characters	list.extend(L) list.insert(i,x) list.remove(x) list.pop(i) relation and the second	appends x to the end of the list appends L to the end of the list inserts x at i position removes the first list item whose value is x removes the item at position i and returns its value removes all items from the list returns the position of the first	
not	logical NOT	\t \ <cha< td=""><td>tab r> escape char</td><td colspan="2">8 - 1 - 10</td><td>returns True if all characters are alphabetic</td><td>list.count(x)</td><td>occurrence of x in a list returns the number of times x</td></cha<>	tab r> escape char	8 - 1 - 10		returns True if all characters are alphabetic	list.count(x)	occurrence of x in a list returns the number of times x
	Assignme	ators	string.isdigit()		returns True if all characters		appears in a list	
= += -= *= %= /=	simple assignment x=y increment assignment x+=y decrement assignment x-=y multiplication assignment x*=y remainder assignment x%=y division assignment x/=y		string.format(string.strip(x)	x)	are digits replaces {} with x and returns a formatted string returns a string with leading and trailing characters removed	list.sort() sorted(L) list.reverse() list.copy()	sorts items in a list returns a new list with L items sorted reverses list elements returns a copy of the list	

floor division assignment

x//=y

//=

В	uilt-in functions	Conditional statements	Reading and writing files		
<pre>print(x, sep='y') input(s) len(x)</pre>	prints x objects separated by y prints s and waits for an input that will be returned returns the length of x (s or L)	<pre>if <condition> :</condition></pre>	<pre>f = open(<path>,'r') f.read(<size>) f.readline(<size>) f.close()</size></size></path></pre>		
min(L) max(L) sum(L)	returns the minimum value in L returns the maximum value in L returns the sum of the values in L	else: <code></code>	<pre>f = open(<path>,'r') for line in f:</path></pre>		
range(n1,n2,n)	returns a sequence of numbers from n1 to n2 in steps of n	if <value> in <list>: Loops</list></value>			
abs(n) round(n1,n)	returns the absolute value of n returns the n1 number rounded to n digits	while <condition>:</condition>			
type(x)	returns the type of x (string, float, list)	<pre>for <variable> in <list>:</list></variable></pre>	Functions		
str(x) list(x) int(x)	converts x to a string converts x to a list converts x to an integer number	<pre>for <variable> in range(start,stop,step):</variable></pre>	<pre>def function(<params>):</params></pre>		
float(x)	converts x to a float number	Loop control statements	Modules		
bool(x) pow(n1,n2) chr(x)	converts x to a Boolean value returns n1 to the power of n2 returns the string value of a Unicode code	break finishes loop execution continue jumps to next iteration pass does nothing	<pre>import module module.function() from module import *</pre>		
ord(x) map(function, L)	returns the Unicode code of a single-character string applies function to values in L		function()		