

Base Types			Container Types		
<code>integer, float, boolean, string</code>			▪ ordered sequence, fast index access, repeatable values	<code>list [1, 5, 9] ["x", 11, 8.9] ["word"] []</code>	
<code>int 783 0 -192</code>			▪ <code>tuple (1, 5, 9) 11, "y", 7.4 ("word",) ()</code>		
<code>float 9.23 0.0 -1.7e-6</code>			immutable		
<code>bool True False 10^-6</code>			<code>str "One\nTwo" 'I'm'</code>		
<code>str "One\nTwo" 'I'm'</code>	new line	' escaped	expression with just commas		
	multiline {	<code>"""\nX\tY\tZ\n1\t2\t3"""</code>			
immutable,		tab char			
ordered sequence of chars					

Identifiers			Conversions		
<code>for variables, functions, modules, classes... names</code>			<code>int("15")</code>	can specify integer number base in 2 nd parameter	
<code>a..zA..Z_</code> followed by <code>a..zA..Z_0..9</code>			<code>int(15.56)</code>	truncate decimal part (<code>round(15.56)</code> for rounded integer)	
▫ diacritics allowed but should be avoided			<code>float("-11.24e8")</code>		
▫ language keywords forbidden			<code>str(78.3)</code>	and for literal representation → <code>repr("Text")</code>	
▫ lower/UPPER case discrimination				see other side for string formating allowing finer control	
① <code>a toto x7 y_max BigOne</code>					
② <code>8y and</code>					

Variables assignment			Sequences indexing		
<code>x = 1.2+8+sin(0)</code>	value or computed expression	variable name (identifier)	<code>len(lst) → 6</code>	for lists, tuples, strings, ...	
<code>y, z, r = 9.2, -7.6, "bad"</code>	variables names	container with several values (here a tuple)	<code>lst[1] → 67</code>	individual access to items via <code>[index]</code>	
			<code>lst[-2] → 42</code>	<code>lst[0] → 11</code> first one	
<code>x+=3</code>	increment	decrement → <code>x-=2</code>	<code>lst[-1] → 1968</code>	<code>lst[-1] → 1968</code> last one	
<code>x=None</code>	« undefined » constant value			access to sub-sequences via <code>[start slice : end slice : step]</code>	
				<code>lst[1:3] → [67, "abc"]</code>	
				<code>lst[-3:-1] → [3.14, 42]</code>	
				<code>lst[:3] → [11, 67, "abc"]</code>	
				<code>lst[4:] → [42, 1968]</code>	
				Missing slice indication → from start / up to end.	
				On mutable sequences, usable to remove <code>del lst[3:5]</code> and to modify with assignment <code>lst[1:4]=['hop', 9]</code>	

Boolean Logic			Statements Blocks		
Comparators: <code>< > <= >= == != ≤ ≥ = ≠</code>			<code>parent statement:</code>		
<code>a and b</code> logical and	both simultaneously		<code>statements block 1...</code>		
<code>a or b</code> logical or	one or other or both		<code>⋮</code>		
<code>not a</code> logical not			<code>parent statement:</code>		
<code>True</code> true constant value			<code>statements block 2...</code>		
<code>False</code> false constant value			<code>⋮</code>		
			<code>next statement after block 1</code>		

Floating point numbers... approximated values!			Maths		
Operators: <code>+ - * / // % **</code>			<code>from math import sin, pi...</code>		
<code>x ÷ ↑ ↑ a^b</code>	integer ÷	remainder	<code>sin(pi/4) → 0.707...</code>		
<code>(1+5.3)*2→12.6</code>			<code>cos(2*pi/3) → -0.4999...</code>		
<code>abs(-3.2)→3.2</code>			<code>acos(0.5)→1.0471...</code>		
<code>round(3.57, 1)→3.6</code>			<code>sqrt(81)→9.0</code>	√	
			<code>log(e**2)→2.0</code>	etc. (cf doc)	

