

A Field Guide to Python Expressions

Table 1. Python Expressions

Expression	Meaning
<code>a, b, c</code> <code>(a, b, c)</code>	tuple
<code>a,</code> <code>(a,)</code>	tuple with one element
<code>()</code>	empty tuple
<code>[a, b, c]</code>	list
<code>[]</code>	empty list
<code>{a, b, c}</code>	set
<code>{a:r, b:s, c:t}</code>	dictionary
<code>{}</code>	empty dictionary
<code>[expr for var in iterable if condition]</code>	list comprehension
<code>(expr for var in iterable if condition)</code>	generator expression
<code>{expr for var in iterable if condition}</code>	set comprehension
<code>{key:value for var in iterable if condition}</code>	generator comprehension
<code>a, b, c = iterable</code>	iterable unpacking
<code>a, *b, c = iterable</code>	extended iterable unpacking
<code>a if b else c</code>	conditional expression
<code>lambda VAR ...: VALUE</code>	lambda function