

Data Types	
Integer	10, -20
Float	3.7, -1.4
String	"abc", "hello!"
Boolean	True, False
List	[value, ...]
Tuple	(value, ...)
Dictionary	{ key: value, ... }
Set	{ value, value, ... }

Arithmetic Comparisons	
$x < y$	Less Than
$x > y$	Greater Than
$x \leq y$	Less Than or Equal
$x \geq y$	Greater Than or Equal
$x == y$	Equal
$x != y$	Not Equal

Statements	
If Statement	if (expression): statements
Else If Statement	elif (expression): statements
Else Statement	else: statements

Loop	
While Loop	while (expression): statements
For Loop (Iterating over a collection)	for item in collection: statements
For Loop (Counting)	for i in range(start, end, step): statements # (start is included; end is not)

Function Definitions	
Function return value with parameters	def name(parameter1, par2, ...): statements return expression
Function return value without parameters	def name(): statements return expression
Function non-return value with parameters	def name(parameter1, par2, ...): statements
Function non-return value without parameters	def name(): statements

Boolean Logic Operators		
x and y	x or y	not x

Arithmetic Operators	
$x + y$	Addition
$x - y$	Subtraction
$x * y$	Multiplication
x / y	Division
$x \% y$	Modulus
$x // y$	Floor Division
$x ** y$	Exponentiation
x operators= y	e.g.: x += 1

Input/Output	
Input	input()
Output	print()

Conversion Functions	
int(expr)	Converts expression to integer
float(expr)	Converts expression to float
str(expr)	Converts expression to string

String / List / Tuple Operations

<code>len(s)</code>	Length of s
<code>s[i]</code>	ith item in s (0-based)
<code>s[start : end]</code>	Slice of s from start (included) to end (excluded)
<code>x in s</code>	True if x is contained in s
<code>x not in s</code>	True if x is not contained in s
<code>s + t</code>	The concatenation of s with t
<code>s * n</code>	n copies of s concatenated

Reference

W3Schools	W3Schools
Cheatography	Python

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