Vocabulary

String	a list of characters such as numbers, letters, symbols
Variable	holds a value and can be changed
Input	something that the user types in
Float Number	number with a decimal point
Syntax	grammar or rules on programming
Integer	number with no decimal point
Print	displays information on the screen
value	the number or string can be store in valuable
Syntax Error	make impossible to the phase
loop	the condition used in python
operator	the signs used for mathematics condition
module	text for storing the python code

This summary simplifies and organizes your data for clarity and quick reference.

Functions

print()	displays information on the screen
input()	receives information from the user
int()	converts a value to an integer
float()	converts a value to a decimal number
str()	converts a value to a string
len ()	length of the string
while ... :	loop statement
if ... :	if statement used as a condition or loop in python
else:	another condition used after if statement
"""	multi-line comment
# ...	a line comment
for ... in ...	a list
True	a condition in a loop
False	a condition in a loop
... [x]	the x'th letter of the string
import ...	import a codeor something like formula in python

This covers a range of basic Python functions, conditions, loops, comments, and statements to help you understand their purpose and use.

Operations

+	add
-	subtract
*	multiply
/	divide
//	floor division
**	exponent
%	module
==	equal to
!=	unequal to
<	lesser than
<=	lesser than or equal to
>	greater than
>=	greater than or equal to

TypeCasting

int()	x = int(1)	1
float()	y = float(2.8)	2.8
str()	z = str("3v")	3v

variables

Hello World	print("Hello world!")
Hello World with a Variable	`msg = " Hello World! " print (msg)`
Concatenation (combining strings)	`name = 'albert' lname = instein' Full = name + ' + lname print( Full)`

Variables are used to store values. A string is a series of characters, surrounded by single or double quotes.

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Data types

str
int
float
complex
list
tuple
range
dict
set
frozenset
bool
bytes
bytearray
memoryview
NoneType

Conditional

For loops

While loops

Iteration

Recursion

Switch

Exceptions

List

Tuple

Set

Dictionaries