Python Glossary

‹ Previous Next ›

This is a list of all the features explained in the Python Tutorial.

Search..

Feature	Description
Indentation	Indentation refers to the spaces at the beginning of a code line
Comments	Comments are code lines that will not be executed
Multiline Comments	How to insert comments on multiple lines
Creating Variables	Variables are containers for storing data values
Variable Names	How to name your variables
Assign Values to Multiple Variables	How to assign values to multiple variables
Output Variables	Use the print statement to output variables
String Concatenation	How to combine strings
Global Variables	Global variables are variables that belongs to the global scope
Built-In Data Types	Python has a set of built-in data types

Numbers	There are three numeric types in Python
Int	The integer number type
Float	The floating number type
Complex	The complex number type
Type Conversion	How to convert from one number type to another
Random Number	How to create a random number
Specify a Variable Type	How to specify a certain data type for a variable
String Literals	How to create string literals
Assigning a String to a Variable	How to assign a string value to a variable
Multiline Strings	How to create a multiline string
Strings are Arrays	Strings in Python are arrays of bytes representing Unicode characters
Slicing a String	How to slice a string
Negative Indexing on a String	How to use negative indexing when accessing a string
String Length	How to get the length of a string
Check In String	How to check if a string contains a specified phrase
Format String	How to combine two strings
Escape Characters	How to use escape characters
Boolean Values	True or False
Evaluate Booleans	Evaluate a value or statement and return either True or False
Return Boolean Value	Functions that return a Boolean value

Assignment Operators	Assignment operators are use to assign values to variables
Comparison Operators	Comparison operators are used to compare two values
Logical Operators	Logical operators are used to combine conditional statements
Identity Operators	Identity operators are used to see if two objects are in fact the same object
Membership Operators	Membership operators are used to test is a sequence is present in an object
Bitwise Operators	Bitwise operators are used to compare (binary) numbers
Lists	A list is an ordered, and changeable, collection
Access List Items	How to access items in a list
Change List Item	How to change the value of a list item
Loop Through List Items	How to loop through the items in a list
List Comprehension	How use a list comprehensive
Check if List Item Exists	How to check if a specified item is present in a list
List Length	How to determine the length of a list
Add List Items	How to add items to a list
Remove List Items	How to remove list items
Copy a List	How to copy a list
Join Two Lists	How to join two lists
Tuple	A tuple is an ordered, and unchangeable, collection
Access Tuple Items	How to access items in a tuple

Check if Tuple Item Exists	How to check if a specified item is present in a tuple
Tuple Length	How to determine the length of a tuple
Tuple With One Item	How to create a tuple with only one item
Remove Tuple Items	How to remove tuple items
Join Two Tuples	How to join two tuples
Set	A set is an unordered, and unchangeable, collection
Access Set Items	How to access items in a set
Add Set Items	How to add items to a set
Loop Set Items	How to loop through the items in a set
Check if Set Item Exists	How to check if a item exists
Set Length	How to determine the length of a set
Remove Set Items	How to remove set items
Join Two Sets	How to join two sets
Dictionary	A dictionary is an unordered, and changeable, collection
Access Dictionary Items	How to access items in a dictionary
Change Dictionary Item	How to change the value of a dictionary item
Loop Dictionary Items	How to loop through the items in a tuple
Check if Dictionary Item Exists	How to check if a specified item is present in a dictionary
Dictionary Length	How to determine the length of a dictionary
Add Dictionary Item	How to add an item to a dictionary
Remove Dictionary Items	How to remove dictionary items

If Statement	How to write an if statement
If Indentation	If statements in Python relies on indentation (whitespace at the beginning of a line)
Elif	elif is the same as "else if" in other programming languages
Else	How to write an if...else statement
Shorthand If	How to write an if statement in one line
Shorthand If Else	How to write an if...else statement in one line
If AND	Use the and keyword to combine if statements
If OR	Use the or keyword to combine if statements
If NOT	Use the not keyword to reverse the condition
Nested If	How to write an if statement inside an if statement
The pass Keyword in If	Use the pass keyword inside empty if statements
While	How to write a while loop
While Break	How to break a while loop
While Continue	How to stop the current iteration and continue wit the next
While Else	How to use an else statement in a while loop
For	How to write a for loop
Loop Through a String	How to loop through a string
For Break	How to break a for loop
For Continue	How to stop the current iteration and continue wit the next
Looping Through a range	How to loop through a range of values

For pass	Use the pass keyword inside empty for loops
Function	How to create a function in Python
Call a Function	How to call a function in Python
Function Arguments	How to use arguments in a function
*args	To deal with an unknown number of arguments in a function, use the * symbol before the parameter name
Keyword Arguments	How to use keyword arguments in a function
**kwargs	To deal with an unknown number of keyword arguments in a function, use the * symbol before the parameter name
Default Parameter Value	How to use a default parameter value
Passing a List as an Argument	How to pass a list as an argument
Function Return Value	How to return a value from a function
The pass Statement in Functions	Use the pass statement in empty functions
Function Recursion	Functions that can call itself is called recursive functions
Lambda Function	How to create anonymous functions in Python
Why Use Lambda Functions	Learn when to use a lambda function or not
Array	Lists can be used as Arrays
What is an Array	Arrays are variables that can hold more than one value
Access Arrays	How to access array items
Array Length	How to get the length of an array
Looping Array Elements	How to loop through array elements

Array Methods	Python has a set of Array/Lists methods
Class	A class is like an object constructor
Create Class	How to create a class
The Class __init__() Function	The __init__() function is executed when the class is initiated
Object Methods	Methods in objects are functions that belongs to the object
self	The self parameter refers to the current instance of the class
Modify Object Properties	How to modify properties of an object
Delete Object Properties	How to modify properties of an object
Delete Object	How to delete an object
Class pass Statement	Use the pass statement in empty classes
Create Parent Class	How to create a parent class
Create Child Class	How to create a child class
Create the __init__() Function	How to create the __init__() function
super Function	The super() function make the child class inherit the parent class
Add Class Properties	How to add a property to a class
Add Class Methods	How to add a method to a class
Iterators	An iterator is an object that contains a countable number of values
Iterator vs Iterable	What is the difference between an iterator and an iterable

StopIteration	How to stop an iterator
Global Scope	When does a variable belong to the global scope?
Global Keyword	The global keyword makes the variable global
Create a Module	How to create a module
Variables in Modules	How to use variables in a module
Renaming a Module	How to rename a module
Built-in Modules	How to import built-in modules
Using the dir() Function	List all variable names and function names in a module
Import From Module	How to import only parts from a module
Datetime Module	How to work with dates in Python
Date Output	How to output a date
Create a Date Object	How to create a date object
The strftime Method	How to format a date object into a readable string
Date Format Codes	The datetime module has a set of legal format codes
JSON	How to work with JSON in Python
Parse JSON	How to parse JSON code in Python
Convert into JSON	How to convert a Python object in to JSON
Format JSON	How to format JSON output with indentations and line breaks
Sort JSON	How to sort JSON
RegEx Module	How to import the regex module
RegEx Functions	The re module has a set of functions
Metacharacters in RegEx	Metacharacters are characters with a special meaning

	brackets with a special meaning
RegEx Match Object	The Match Object is an object containing information about the search and the result
Install PIP	How to install PIP
PIP Packages	How to download and install a package with PIP
PIP Remove Package	How to remove a package with PIP
Error Handling	How to handle errors in Python
Handle Many Exceptions	How to handle more than one exception
Try Else	How to use the else keyword in a try statement
Try Finally	How to use the finally keyword in a try statement
raise	How to raise an exception in Python

‹ Previous Next ›