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| --- | --- |
| [Indentation](https://www.w3schools.com/python/gloss_python_indentation.asp) | Indentation refers to the spaces at the beginning of a code line |
| [Comments](https://www.w3schools.com/python/gloss_python_comments.asp) | Comments are code lines that will not be executed |
| [Multiline Comments](https://www.w3schools.com/python/gloss_python_multi_line_comments.asp) | How to insert comments on multiple lines |
| [Creating Variables](https://www.w3schools.com/python/gloss_python_creating_variables.asp) | Variables are containers for storing data values |
| [Variable Names](https://www.w3schools.com/python/gloss_python_variable_names.asp) | How to name your variables |
| [Assign Values to Multiple Variables](https://www.w3schools.com/python/gloss_python_assign_value_to_multiple_variables.asp) | How to assign values to multiple variables |
| [Output Variables](https://www.w3schools.com/python/gloss_python_variable_output.asp) | Use the print statement to output variables |
| [String Concatenation](https://www.w3schools.com/python/gloss_python_string_concatenation.asp) | How to combine strings |
| [Global Variables](https://www.w3schools.com/python/gloss_python_global_variables.asp) | Global variables are variables that belongs to the global scope |
| [Built-In Data Types](https://www.w3schools.com/python/gloss_python_built-in_data_types.asp) | Python has a set of built-in data types |
| [Getting Data Type](https://www.w3schools.com/python/gloss_python_getting_data_type.asp) | How to get the data type of an object |
| [Setting Data Type](https://www.w3schools.com/python/gloss_python_setting_data_type.asp) | How to set the data type of an object |
| [Numbers](https://www.w3schools.com/python/gloss_python_numbers.asp) | There are three numeric types in Python |
| [Int](https://www.w3schools.com/python/gloss_python_int.asp) | The integer number type |
| [Float](https://www.w3schools.com/python/gloss_python_float.asp) | The floating number type |
| [Complex](https://www.w3schools.com/python/gloss_python_complex.asp) | The complex number type |
| [Type Conversion](https://www.w3schools.com/python/gloss_python_type_conversion.asp) | How to convert from one number type to another |
| [Random Number](https://www.w3schools.com/python/gloss_python_random_number.asp) | How to create a random number |
| [Specify a Variable Type](https://www.w3schools.com/python/gloss_python_specify_variable_type.asp) | How to specify a certain data type for a variable |
| [String Literals](https://www.w3schools.com/python/gloss_python_string_literals.asp) | How to create string literals |
| [Assigning a String to a Variable](https://www.w3schools.com/python/gloss_python_assign_string_variable.asp) | How to assign a string value to a variable |
| [Multiline Strings](https://www.w3schools.com/python/gloss_python_multi_line_strings.asp) | How to create a multiline string |
| [Strings are Arrays](https://www.w3schools.com/python/gloss_python_strings_are_arrays.asp) | Strings in Python are arrays of bytes representing Unicode characters |
| [Slicing a String](https://www.w3schools.com/python/gloss_python_string_slice.asp) | How to slice a string |
| [Negative Indexing on a String](https://www.w3schools.com/python/gloss_python_string_negative_indexing.asp) | How to use negative indexing when accessing a string |
| [String Length](https://www.w3schools.com/python/gloss_python_string_length.asp) | How to get the length of a string |
| [Check In String](https://www.w3schools.com/python/gloss_python_check_string.asp) | How to check if a string contains a specified phrase |
| [Format String](https://www.w3schools.com/python/gloss_python_string_format.asp) | How to combine two strings |
| [Escape Characters](https://www.w3schools.com/python/gloss_python_escape_characters.asp) | How to use escape characters |
| [Boolean Values](https://www.w3schools.com/python/gloss_python_boolean_values.asp) | True or False |
| [Evaluate Booleans](https://www.w3schools.com/python/gloss_python_evaluate_boolean_values.asp) | Evaluate a value or statement and return either True or False |
| [Return Boolean Value](https://www.w3schools.com/python/gloss_python_return_boolean.asp) | Functions that return a Boolean value |
| [Operators](https://www.w3schools.com/python/gloss_python_operators.asp) | Use operator to perform operations in Python |
| [Arithmetic Operators](https://www.w3schools.com/python/gloss_python_arithmetic_operators.asp) | Arithmetic operator are used to perform common mathematical operations |
| [Assignment Operators](https://www.w3schools.com/python/gloss_python_assignment_operators.asp) | Assignment operators are use to assign values to variables |
| [Comparison Operators](https://www.w3schools.com/python/gloss_python_comparison_operators.asp) | Comparison operators are used to compare two values |
| [Logical Operators](https://www.w3schools.com/python/gloss_python_logical_operators.asp) | Logical operators are used to combine conditional statements |
| [Identity Operators](https://www.w3schools.com/python/gloss_python_identity_operators.asp) | Identity operators are used to see if two objects are in fact the same object |
| [Membership Operators](https://www.w3schools.com/python/gloss_python_membership_operators.asp) | Membership operators are used to test is a sequence is present in an object |
| [Bitwise Operators](https://www.w3schools.com/python/gloss_python_bitwise_operators.asp) | Bitwise operators are used to compare (binary) numbers |
| [Lists](https://www.w3schools.com/python/gloss_python_lists.asp) | A list is an ordered, and changeable, collection |
| [Access List Items](https://www.w3schools.com/python/gloss_python_access_list_items.asp) | How to access items in a list |
| [Change List Item](https://www.w3schools.com/python/gloss_python_change_list_item.asp) | How to change the value of a list item |
| [Loop Through List Items](https://www.w3schools.com/python/gloss_python_loop_list_items.asp) | How to loop through the items in a list |
| [List Comprehension](https://www.w3schools.com/python/gloss_python_list_comprehension.asp) | How use a list comprehensive |
| [Check if List Item Exists](https://www.w3schools.com/python/gloss_python_check_if_list_item_exists.asp) | How to check if a specified item is present in a list |
| [List Length](https://www.w3schools.com/python/gloss_python_list_length.asp) | How to determine the length of a list |
| [Add List Items](https://www.w3schools.com/python/gloss_python_add_list_items.asp) | How to add items to a list |
| [Remove List Items](https://www.w3schools.com/python/gloss_python_remove_list_items.asp) | How to remove list items |
| [Copy a List](https://www.w3schools.com/python/gloss_python_copy_list.asp) | How to copy a list |
| [Join Two Lists](https://www.w3schools.com/python/gloss_python_join_lists.asp) | How to join two lists |
| [Tuple](https://www.w3schools.com/python/gloss_python_tuple.asp) | A tuple is an ordered, and unchangeable, collection |
| [Access Tuple Items](https://www.w3schools.com/python/gloss_python_access_tuple_items.asp) | How to access items in a tuple |
| [Change Tuple Item](https://www.w3schools.com/python/gloss_python_change_tuple_item.asp) | How to change the value of a tuple item |
| [Loop List Items](https://www.w3schools.com/python/gloss_python_loop_tuple_items.asp) | How to loop through the items in a tuple |
| [Check if Tuple Item Exists](https://www.w3schools.com/python/gloss_python_check_if_tuple_item_exists.asp) | How to check if a specified item is present in a tuple |
| [Tuple Length](https://www.w3schools.com/python/gloss_python_tuple_length.asp) | How to determine the length of a tuple |
| [Tuple With One Item](https://www.w3schools.com/python/gloss_python_tuple_one_item.asp) | How to create a tuple with only one item |
| [Remove Tuple Items](https://www.w3schools.com/python/gloss_python_remove_tuple_items.asp) | How to remove tuple items |
| [Join Two Tuples](https://www.w3schools.com/python/gloss_python_join_tuple.asp) | How to join two tuples |
| [Set](https://www.w3schools.com/python/gloss_python_set.asp) | A set is an unordered, and unchangeable, collection |
| [Access Set Items](https://www.w3schools.com/python/gloss_python_access_set_items.asp) | How to access items in a set |
| [Add Set Items](https://www.w3schools.com/python/gloss_python_add_set_items.asp) | How to add items to a set |
| [Loop Set Items](https://www.w3schools.com/python/gloss_python_loop_set_items.asp) | How to loop through the items in a set |
| [Check if Set Item Exists](https://www.w3schools.com/python/gloss_python_check_if_set_item_exists.asp) | How to check if a item exists |
| [Set Length](https://www.w3schools.com/python/gloss_python_set_length.asp) | How to determine the length of a set |
| [Remove Set Items](https://www.w3schools.com/python/gloss_python_remove_set_items.asp) | How to remove set items |
| [Join Two Sets](https://www.w3schools.com/python/gloss_python_join_sets.asp) | How to join two sets |
| [Dictionary](https://www.w3schools.com/python/gloss_python_dictionary.asp) | A dictionary is an unordered, and changeable, collection |
| [Access Dictionary Items](https://www.w3schools.com/python/gloss_python_access_dictionary_items.asp) | How to access items in a dictionary |
| [Change Dictionary Item](https://www.w3schools.com/python/gloss_python_change_dictionary_item.asp) | How to change the value of a dictionary item |
| [Loop Dictionary Items](https://www.w3schools.com/python/gloss_python_loop_dictionary_items.asp) | How to loop through the items in a tuple |
| [Check if Dictionary Item Exists](https://www.w3schools.com/python/gloss_python_check_if_dictionary_item_exists.asp) | How to check if a specified item is present in a dictionary |
| [Dictionary Length](https://www.w3schools.com/python/gloss_python_dictionary_length.asp) | How to determine the length of a dictionary |
| [Add Dictionary Item](https://www.w3schools.com/python/gloss_python_dictionary_add_item.asp) | How to add an item to a dictionary |
| [Remove Dictionary Items](https://www.w3schools.com/python/gloss_python_remove_dictionary_items.asp) | How to remove dictionary items |
| [Copy Dictionary](https://www.w3schools.com/python/gloss_python_copy_dictionary.asp) | How to copy a dictionary |
| [Nested Dictionaries](https://www.w3schools.com/python/gloss_python_nested_dictionaries.asp) | A dictionary within a dictionary |
| [If Statement](https://www.w3schools.com/python/gloss_python_if_statement.asp) | How to write an if statement |
| [If Indentation](https://www.w3schools.com/python/gloss_python_if_indentation.asp) | If statements in Python relies on indentation  (whitespace at the beginning of a line) |
| [Elif](https://www.w3schools.com/python/gloss_python_elif.asp) | elif is the same as "else if" in other programming languages |
| [Else](https://www.w3schools.com/python/gloss_python_else.asp) | How to write an if...else statement |
| [Shorthand If](https://www.w3schools.com/python/gloss_python_if_shorthand.asp) | How to write an if statement in one line |
| [Shorthand If Else](https://www.w3schools.com/python/gloss_python_if_else_shorthand.asp) | How to write an if...else statement in one line |
| [If AND](https://www.w3schools.com/python/gloss_python_if_and.asp) | Use the and keyword to combine if statements |
| [If OR](https://www.w3schools.com/python/gloss_python_if_or.asp) | Use the or keyword to combine if statements |
| [If NOT](https://www.w3schools.com/python/gloss_python_if_not.asp) | Use the not keyword to reverse the condition |
| [Nested If](https://www.w3schools.com/python/gloss_python_if_nested.asp) | How to write an if statement inside an if statement |
| [The pass Keyword in If](https://www.w3schools.com/python/gloss_python_if_pass.asp) | Use the pass keyword inside empty if statements |
| [While](https://www.w3schools.com/python/gloss_python_while.asp) | How to write a while loop |
| [While Break](https://www.w3schools.com/python/gloss_python_while_break.asp) | How to break a while loop |
| [While Continue](https://www.w3schools.com/python/gloss_python_while_continue.asp) | How to stop the current iteration and continue wit the next |
| [While Else](https://www.w3schools.com/python/gloss_python_while_else.asp) | How to use an else statement in a while loop |
| [For](https://www.w3schools.com/python/gloss_python_for.asp) | How to write a for loop |
| [Loop Through a String](https://www.w3schools.com/python/gloss_python_for_string.asp) | How to loop through a string |
| [For Break](https://www.w3schools.com/python/gloss_python_for_break.asp) | How to break a for loop |
| [For Continue](https://www.w3schools.com/python/gloss_python_for_continue.asp) | How to stop the current iteration and continue wit the next |
| [Looping Through a range](https://www.w3schools.com/python/gloss_python_for_range.asp) | How to loop through a range of values |
| [For Else](https://www.w3schools.com/python/gloss_python_for_else.asp) | How to use an else statement in a for loop |
| [Nested Loops](https://www.w3schools.com/python/gloss_python_for_nested.asp) | How to write a loop inside a loop |
| [For pass](https://www.w3schools.com/python/gloss_python_for_pass.asp) | Use the pass keyword inside empty for loops |
| [Function](https://www.w3schools.com/python/gloss_python_function.asp) | How to create a function in Python |
| [Call a Function](https://www.w3schools.com/python/gloss_python_function_call.asp) | How to call a function in Python |
| [Function Arguments](https://www.w3schools.com/python/gloss_python_function_arguments.asp) | How to use arguments in a function |
| [\*args](https://www.w3schools.com/python/gloss_python_function_arbitrary_arguments.asp) | To deal with an unknown number of arguments in a  function, use the \* symbol before the parameter name |
| [Keyword Arguments](https://www.w3schools.com/python/gloss_python_function_keyword_arguments.asp) | How to use keyword arguments in a function |
| [\*\*kwargs](https://www.w3schools.com/python/gloss_python_function_arbitrary_keyword_arguments.asp) | To deal with an unknown number of keyword arguments  in a function, use the \* symbol before the parameter name |
| [Default Parameter Value](https://www.w3schools.com/python/gloss_python_function_default_parameter.asp) | How to use a default parameter value |
| [Passing a List as an Argument](https://www.w3schools.com/python/gloss_python_function_passing_list.asp) | How to pass a list as an argument |
| [Function Return Value](https://www.w3schools.com/python/gloss_python_function_return_value.asp) | How to return a value from a function |
| [The pass Statement in Functions](https://www.w3schools.com/python/gloss_python_function_pass.asp) | Use the pass statement in empty functions |
| [Function Recursion](https://www.w3schools.com/python/gloss_python_function_recursion.asp) | Functions that can call itself is called recursive functions |
| [Lambda Function](https://www.w3schools.com/python/gloss_python_lambda.asp) | How to create anonymous functions in Python |
| [Why Use Lambda Functions](https://www.w3schools.com/python/gloss_python_lambda_why.asp) | Learn when to use a lambda function or not |
| [Array](https://www.w3schools.com/python/gloss_python_array.asp) | Lists can be used as Arrays |
| [What is an Array](https://www.w3schools.com/python/gloss_python_arrray_what_is.asp) | Arrays are variables that can hold more than one value |
| [Access Arrays](https://www.w3schools.com/python/gloss_python_array_access.asp) | How to access array items |
| [Array Length](https://www.w3schools.com/python/gloss_python_array_length.asp) | How to get the length of an array |
| [Looping Array Elements](https://www.w3schools.com/python/gloss_python_array_loop.asp) | How to loop through array elements |
| [Add Array Element](https://www.w3schools.com/python/gloss_python_array_add.asp) | How to add elements from an array |
| [Remove Array Element](https://www.w3schools.com/python/gloss_python_array_remove.asp) | How to remove elements from an array |
| [Array Methods](https://www.w3schools.com/python/gloss_python_array_methods.asp) | Python has a set of Array/Lists methods |
| [Class](https://www.w3schools.com/python/gloss_python_class.asp) | A class is like an object constructor |
| [Create Class](https://www.w3schools.com/python/gloss_python_class_create.asp) | How to create a class |
| [The Class \_\_init\_\_() Function](https://www.w3schools.com/python/gloss_python_class_init.asp) | The \_\_init\_\_() function is executed when the class is initiated |
| [Object Methods](https://www.w3schools.com/python/gloss_python_object_methods.asp) | Methods in objects are functions that belongs to the object |
| [self](https://www.w3schools.com/python/gloss_python_self.asp) | The self parameter refers to the current instance of the class |
| [Modify Object Properties](https://www.w3schools.com/python/gloss_python_object_modify_properties.asp) | How to modify properties of an object |
| [Delete Object Properties](https://www.w3schools.com/python/gloss_python_object_delete_properties.asp) | How to modify properties of an object |
| [Delete Object](https://www.w3schools.com/python/gloss_python_object_delete.asp) | How to delete an object |
| [Class pass Statement](https://www.w3schools.com/python/gloss_python_class_pass.asp) | Use the pass statement in empty classes |
| [Create Parent Class](https://www.w3schools.com/python/gloss_python_parent_class.asp) | How to create a parent class |
| [Create Child Class](https://www.w3schools.com/python/gloss_python_child_class.asp) | How to create a child class |
| [Create the \_\_init\_\_() Function](https://www.w3schools.com/python/gloss_python_create_init.asp) | How to create the \_\_init\_\_() function |
| [super Function](https://www.w3schools.com/python/gloss_python_super.asp) | The super() function make the child class inherit the parent class |
| [Add Class Properties](https://www.w3schools.com/python/gloss_python_class_add_properties.asp) | How to add a property to a class |
| [Add Class Methods](https://www.w3schools.com/python/gloss_python_class_add_methods.asp) | How to add a method to a class |
| [Iterators](https://www.w3schools.com/python/gloss_python_iterators.asp) | An iterator is an object that contains a countable number of values |
| [Iterator vs Iterable](https://www.w3schools.com/python/gloss_python_iterator_vs_iterable.asp) | What is the difference between an iterator and an iterable |
| [Loop Through an Iterator](https://www.w3schools.com/python/gloss_python_iterator_loop.asp) | How to loop through the elements of an iterator |
| [Create an Iterator](https://www.w3schools.com/python/gloss_python_iterator_create.asp) | How to create an iterator |
| [StopIteration](https://www.w3schools.com/python/gloss_python_iterator_stop.asp) | How to stop an iterator |
| [Global Scope](https://www.w3schools.com/python/gloss_python_global_scope.asp) | When does a variable belong to the global scope? |
| [Global Keyword](https://www.w3schools.com/python/gloss_python_global_keyword.asp) | The global keyword makes the variable global |
| [Create a Module](https://www.w3schools.com/python/gloss_python_module_create.asp) | How to create a module |
| [Variables in Modules](https://www.w3schools.com/python/gloss_python_module_variables.asp) | How to use variables in a module |
| [Renaming a Module](https://www.w3schools.com/python/gloss_python_module_rename.asp) | How to rename a module |
| [Built-in Modules](https://www.w3schools.com/python/gloss_python_module_built-in.asp) | How to import built-in modules |
| [Using the dir() Function](https://www.w3schools.com/python/gloss_python_module_dir.asp) | List all variable names and function names in a module |
| [Import From Module](https://www.w3schools.com/python/gloss_python_module_import_from.asp) | How to import only parts from a module |
| [Datetime Module](https://www.w3schools.com/python/gloss_python_date.asp) | How to work with dates in Python |
| [Date Output](https://www.w3schools.com/python/gloss_python_date_output.asp) | How to output a date |
| [Create a Date Object](https://www.w3schools.com/python/gloss_python_date_create.asp) | How to create a date object |
| [The strftime Method](https://www.w3schools.com/python/gloss_python_date_strftime.asp) | How to format a date object into a readable string |
| [Date Format Codes](https://www.w3schools.com/python/gloss_python_date_format_codes.asp) | The datetime module has a set of legal format codes |
| [JSON](https://www.w3schools.com/python/gloss_python_json.asp) | How to work with JSON in Python |
| [Parse JSON](https://www.w3schools.com/python/gloss_python_json_parse.asp) | How to parse JSON code in Python |
| [Convert into JSON](https://www.w3schools.com/python/gloss_python_convert_into_JSON.asp) | How to convert a Python object in to JSON |
| [Format JSON](https://www.w3schools.com/python/gloss_python_format_json.asp) | How to format JSON output with indentations and line breaks |
| [Sort JSON](https://www.w3schools.com/python/gloss_python_json_sort.asp) | How to sort JSON |
| [RegEx Module](https://www.w3schools.com/python/gloss_python_regex.asp) | How to import the regex module |
| [RegEx Functions](https://www.w3schools.com/python/gloss_python_regex_functions.asp) | The re module has a set of functions |
| [Metacharacters in RegEx](https://www.w3schools.com/python/gloss_python_regex_metacharacters.asp) | Metacharacters are characters with a special meaning |
| [RegEx Special Sequences](https://www.w3schools.com/python/gloss_python_regex_sequences.asp) | A backslash followed by a a character has a special meaning |
| [RegEx Sets](https://www.w3schools.com/python/gloss_python_regex_sets.asp) | A set is a set of characters inside a pair of square brackets  with a special meaning |
| [RegEx Match Object](https://www.w3schools.com/python/gloss_python_regex_match.asp) | The Match Object is an object containing information about  the search and the result |
| [Install PIP](https://www.w3schools.com/python/gloss_python_pip_install.asp) | How to install PIP |
| [PIP Packages](https://www.w3schools.com/python/gloss_python_pip_packages.asp) | How to download and install a package with PIP |
| [PIP Remove Package](https://www.w3schools.com/python/gloss_python_pip_packages_remove.asp) | How to remove a package with PIP |
| [Error Handling](https://www.w3schools.com/python/gloss_python_error_handling.asp) | How to handle errors in Python |
| [Handle Many Exceptions](https://www.w3schools.com/python/gloss_python_try_except.asp) | How to handle more than one exception |
| [Try Else](https://www.w3schools.com/python/gloss_python_try_else.asp) | How to use the else keyword in a try statement |
| [Try Finally](https://www.w3schools.com/python/gloss_python_try_finally.asp) | How to use the finally keyword in a try statement |
| [raise](https://www.w3schools.com/python/gloss_python_raise.asp) | How to raise an exception in Python |