Python Built-in Functions

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abs()
returns absolute value of a number.

any()
Checks if any Element of an Iterable is True

all()
returns true when all elements in iterable is true

ascii()
Returns String Containing Printable Representation

bin()
converts integer to binary string

bool()
Converts a Value to Boolean

bytearray()
returns array of given byte size

callable()
Checks if the Object is Callable

bytes()
returns immutable bytes object

chr()
Returns a Character (a string) from an Integer

compile()
Returns a Python code object

classmethod()
returns class method for given function

complex()
Creates a Complex Number

delattr()
Deletes Attribute From the Object

dict()
Creates a Dictionary

dir()
Tries to Return Attributes of Object

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divmod()
Returns a Tuple of Quotient and Remainder

enumerate()
Returns an Enumerate Object

staticmethod()
transforms a method into a static method

filter()
constructs iterator from elements which are true

eval()
Runs Python Code Within Program

float()
returns floating point number from number, string

format()
returns formatted representation of a value

frozenset()
returns immutable frozenset object

getattr()
returns value of named attribute of an object

globals()
returns dictionary of current global symbol table

exec()
Executes Dynamically Created Program

hasattr()
returns whether object has named attribute

help()
Invokes the built-in Help System

hex()
Converts to Integer to Hexadecimal

hash()
returns hash value of an object

input()
reads and returns a line of string

id()
Returns Identify of an Object

isinstance()
Checks if a Object is an Instance of Class

int()
returns integer from a number or string

issubclass()
Checks if a Object is Subclass of a Class

iter()
returns an iterator

list()
creates a list in Python

locals()
Returns dictionary of a current local symbol table

len()
Returns Length of an Object

max()
returns the largest item

min()
returns the smallest value

map()
Applies Function and Returns a List

next()
Retrieves next item from the iterator

memoryview()
returns memory view of an argument

object()
creates a featureless object

oct()
returns the octal representation of an integer

ord()
returns an integer of the Unicode character

open()
Returns a file object

pow()
returns the power of a number

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print()
Prints the Given Object

property()
returns the property attribute

range()
return sequence of integers between start and stop

repr()
returns a printable representation of the object

reversed()
returns the reversed iterator of a sequence

round()
rounds a number to specified decimals

set()
constructs and returns a set

setattr()
sets the value of an attribute of an object

slice()
returns a slice object

sorted()
returns a sorted list from the given iterable

str()
returns the string version of the object

sum()
Adds items of an Iterable

tuple()
Returns a tuple

type()
Returns the type of the object

vars()
Returns the __dict__ attribute

zip()
Returns an iterator of tuples

__import__()
Function called by the import statement

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super()
Returns a proxy object of the base class

Python Dictionary Methods

Dictionary clear()
Removes all Items

Dictionary copy()
Returns Shallow Copy of a Dictionary

Dictionary fromkeys()
creates dictionary from given sequence

Dictionary get()
Returns Value of The Key

Dictionary items()
returns view of dictionary's (key, value) pair

Dictionary keys()
Returns View Object of All Keys

Dictionary popitem()
Returns & Removes Element from Dictionary

Dictionary setdefault()
Inserts Key With a Value if Key is not Present

Dictionary pop()
removes and returns element having given key

Dictionary values()
returns view of all values in dictionary

Dictionary update()
Updates the Dictionary

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Checks if any Element of an Iterable is True

all()
returns true when all elements in iterable is true

ascii()
Returns String Containing Printable Representation

bool()
Converts a Value to Boolean

dict()
Creates a Dictionary

enumerate()
Returns an Enumerate Object

filter()
constructs iterator from elements which are true

iter()
returns an iterator

len()
Returns Length of an Object

max()
returns the largest item

min()
returns the smallest value

map()
Applies Function and Returns a List

sorted()
returns a sorted list from the given iterable

sum()
Adds items of an Iterable

zip()
Returns an iterator of tuples

Python List Methods

List append()
Add a single element to the end of the list

List extend()
Add Elements of a List to Another List

List insert()
Inserts Element to The List

List remove()
Removes item from the list

List index()
returns smallest index of element in list

List count()
returns occurrences of element in a list

List pop()
Removes element at the given index

List reverse()
Reverses a List

List sort()
sorts elements of a list

List copy()
Returns Shallow Copy of a List

List clear()
Removes all Items from the List

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Checks if any Element of an Iterable is True

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returns true when all elements in iterable is true

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constructs iterator from elements which are true

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creates a list in Python

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Pramod KS

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Applies Function and Returns a List

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returns the reversed iterator of a sequence

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returns a slice object

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sum()
Adds items of an Iterable

zip()
Returns an iterator of tuples

Python Set Methods

Set remove()
Removes Element from the Set

Set add()
adds element to a set

Set copy()
Returns Shallow Copy of a Set

Set clear()
remove all elements from a set

Set difference()
Returns Difference of Two Sets

Set difference_update()
Updates Calling Set With Intersection of Sets

Set discard()
Removes an Element from The Set

Set intersection()
Returns Intersection of Two or More Sets

Set intersection_update()
Updates Calling Set With Intersection of Sets

Set isdisjoint()
Checks Disjoint Sets

Set issubset()
Checks if a Set is Subset of Another Set

Set issuperset()
Checks if a Set is Superset of Another Set

Set pop()
Removes an Arbitrary Element

Set symmetric_difference()
Returns the symmetric difference of sets

Set symmetric_difference_update()
Updates the Set with symmetric difference

Set union()
Returns the union of sets

Set update()
Add elements to the set

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returns true when all elements in iterable is true

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bool()
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Returns an Enumerate Object

filter()
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frozenset()
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map()
Applies Function and Returns a List

set()
constructs and returns a set

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Python String Methods

String capitalize()
Converts first character to Capital Letter

String center()
Pads string with specified character

String casefold()
converts to case folded strings

String count()
returns occurrences of substring in string

String endswith()
Checks if String Ends with the Specified Suffix

String expandtabs()
Replaces Tab character With Spaces

String encode()

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returns encoded string of given string

String find()

Returns the index of first occurrence of substring

String format()

formats string into nicer output

String index()

Returns Index of Substring

String isalnum()

Checks Alphanumeric Character

String isalpha()

Checks if All Characters are Alphabets

String isdecimal()

Checks Decimal Characters

String isdigit()

Checks Digit Characters

String isidentifier()

Checks for Valid Identifier

String islower()

Checks if all Alphabets in a String are Lowercase

String isnumeric()

Checks Numeric Characters

String isprintable()

Checks Printable Character

String isspace()

Checks Whitespace Characters

String istitle()

Checks for Title cased String

String isupper()

returns if all characters are uppercase characters

String join()

Returns a Concatenated String

String ljust()

returns left-justified string of given width

String rjust()

returns right-justified string of given width

String lower()
returns lowercased string

String upper()
returns uppercased string

String swapcase()
swap uppercase characters to lowercase; vice versa

String lstrip()
Removes Leading Characters

String rstrip()
Removes Trailing Characters

String strip()
Removes Both Leading and Trailing Characters

String partition()
Returns a Tuple

String maketrans()
returns a translation table

String rpartition()
Returns a Tuple

String translate()
returns mapped charioteered string

String replace()
Replaces Substring Inside

String rfind()
Returns the Highest Index of Substring

String rindex()
Returns Highest Index of Substring

String split()
Splits String from Left

String rsplit()
Splits String From Right

String splitlines()
Splits String at Line Boundaries

String startswith()

Checks if String Starts with the Specified String

String title()

Returns a Title Cased String

String zfill()

Returns a Copy of The String Padded with Zeros

String format_map()

Formats the String Using Dictionary

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map()
Applies Function and Returns a List

ord()
returns an integer of the Unicode character

reversed()
returns the reversed iterator of a sequence

slice()
returns a slice object

sorted()
returns a sorted list from the given iterable

sum()
Adds items of an Iterable

zip()
Returns an iterator of tuples

Python Tuple Methods

Tuple count()
returns occurrences of element in a tuple

Tuple index()
returns smallest index of element in tuple

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