



Built-in Functions in Python

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1. Built-in Functions

Table 1: Python built-in functions

Built-in Functions			
Α	E	L	R
abs()	enumerate()	len()	range()
aiter()	eval()	list()	repr()
all()	exec()	locals()	reversed()
any()			round()
anext()	F	M	
ascii()	filter()	map()	S
	float()	max()	set()
В	format()	memoryview()	setattr()
bin()	<pre>frozenset()</pre>	min()	slice()
bool()	_		sorted()
breakpoint()	G	N	staticmethod()
bytearray()	getattr()	next()	str()
bytes()	globals()		sum()
		0	super()
C	H	object()	-
callable()	hasattr()	oct()	T
chr()	hash()	open()	tuple()
classmethod()	help()	ord()	type()
compile()	hex()	Р	V
complex()	ı	•	•
D	id()	pow() print()	vars()
delattr()	input()	property()	7
dict()	int()	proper cy()	zip()
dict()	isinstance()		2-P()
divmod()	issubclass()		
a11mod()	iter()		_ import()

Source: https://docs.python.org/3/library/functions.html (https://docs.python.org/3/library/functions.html)

We have already touched:

- bool()
- complex()
- dict()
- float()

- format()
- input()
- int()
- len()
- list()
- print()
- range()
- set()
- str()
- tuple()
- type()

2. Examples

(1) abs(x)

• Return the absolute value of a number.

5

(2) max() and min()

• Return the largest or smallest item in an iterable or two or more arguments

```
In [1]: c = [-2,4,5,-10]
    print('Maximun:',max(c))
    print('Minimun:',min(c))
```

Maximun: 5
Minimun: -10

(3) round ()

• Return number rounded to ndigits precision after the decimal point.

```
In [5]: x = 5.456
print(round(x))
```

5

```
In [6]: y = 5.5555
print(round(y))
```

Out[6]: 6

```
In [8]: z = - 5.5555
print(round(z))
```

-6

(4) zip ()

• Iterate over several iterables in parallel, producing tuples with an item from each one.

(5) enumerate ()

enumerate(iterable, start): adds counter to an iterable and returns it, i.e. an enumerate object.

Parameters:

- · iterable: an iterable object
- start: a Number, which defines the start number of the enumerate object. Default is 0

```
In [16]: # Python program to illustrate
    # enumerate function in loops
    fruit_list = ['apple', 'banana', 'cherry','organge']

# printing the tuples in object directly
    for fruit in enumerate(fruit_list):
        print (fruit)

# changing index and printing separately
    for n, fruit in enumerate(fruit_list, 100):
        print (n, fruit)

# getting desired output from list
    for n, fruit in enumerate(fruit_list):
        print(n)
        print(fruit)

(0, 'apple')
        (1, 'banana')
        (2, 'cherry')
        (3, 'organge')
```

```
(1, 'banana')
(2, 'cherry')
(3, 'organge')
100 apple
101 banana
102 cherry
103 organge
0
apple
1
banana
2
cherry
3
organge
```