TheDataLytics

python™

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Built-in Functions

The Python interpreter has a number of functions and types built into it that are always available. They are listed here in alphabetical order.

Built-in Functions

A	**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()
B	format()	memoryview()	setattr()
bin()	frozenset()	min()	slice()
bool()			sorted()
breakpoint()	**G**	**N**	staticmethod()
bytearray()	getattr()	next()	str()
bytes()	globals()		sum()
		O	super()
C	**H**	object()	
callable()	hasattr()	oct()	**T**
chr()	hash()	open()	tuple()
classmethod()	help()	ord()	type()
compile()	hex()		
complex()		**P**	**V**
	I	pow()	vars()
D	id()	print()	
delattr()	input()	property()	**Z**
dict()	int()		zip()
dir()	isinstance()		
divmod()	issubclass()		**_**
	iter()		__import__()

```
abs(-1947)
```

```
1947
```

```
all([0,1,2,3,4])
```

```
False
```

```
all([0,0,False,0,False])
```

```
False
```

```
all([1,2,3,4,5])
```

```
True
```

```
any([0,1,0,0,0,1,2,3])
```

```
True
```

```
any([0,0,False,0,False])
```

```
False
```

```
any([-1,-2,-3,-4,-5,6,7,8])
```

```
True
```

```
ascii('a')
```

```
{"type":"string"}
```

```
ascii('&')
```

```
{"type":"string"}
```

```
ascii('¢')
```

```
{"type":"string"}
```

```
ascii('Þ')
```

```
{"type":"string"}
```

```
a = 101

print("Binary ", bin(a))
print("Octa ", oct(a))
print("Hexa ", hex(a))
```

```
Binary  0b1100101
Octa  0o145
Hexa  0x65
```

```
a = 101

print("Integer ", int(a))
```

```
print("Float ", float(a))
print("Complex ", complex(a))
print("Boolean ", bool(a))
print("String ", str(a))
```

```
Integer  101
Float  101.0
Complex  (101+0j)
Boolean  True
String  101
```

```
a = 3.14

print("Integer ", int(a))
print("Float ", float(a))
print("Complex ", complex(a))
print("Boolean ", bool(a))
print("String ", str(a))
```

```
Integer  3
Float  3.14
Complex  (3.14+0j)
Boolean  True
String  3.14
```

```
var_str = "Python Programming"

print("List ", list(var_str))
print("Tuple ", tuple(var_str))
print("Set ", set(var_str))
```

```
List  ['P', 'y', 't', 'h', 'o', 'n', ' ', 'P', 'r', 'o', 'g', 'r',
'a', 'm', 'm', 'i', 'n', 'g']
Tuple  ('P', 'y', 't', 'h', 'o', 'n', ' ', 'P', 'r', 'o', 'g', 'r',
'a', 'm', 'm', 'i', 'n', 'g')
Set  {'y', 't', 'm', 'a', 'P', ' ', 'n', 'r', 'i', 'g', 'h', 'o'}
```

```
var_lst = [(1,2),(3,4),(5,6),(7,8),(9,0)]

print("Dictionary ", dict(var_lst))
```

```
Dictionary  {1: 2, 3: 4, 5: 6, 7: 8, 9: 0}
```

```
print("Python Programming")
```

```
Python Programming
```

```
var = input("Please enter value ")
var
```

```
Please enter value Python Programming
```

```
{"type":"string"}
```

```
for i in range(0,10,1):
  print("for i in range(0,10,1): ", i)
```

```
for i in range(0,10,1):  0
for i in range(0,10,1):  1
for i in range(0,10,1):  2
for i in range(0,10,1):  3
for i in range(0,10,1):  4
for i in range(0,10,1):  5
for i in range(0,10,1):  6
for i in range(0,10,1):  7
for i in range(0,10,1):  8
for i in range(0,10,1):  9
```

```
for i in range(10,0,-1):
  print("for i in range(0,10,1): ", i)
```

```
for i in range(0,10,1):  10
for i in range(0,10,1):  9
for i in range(0,10,1):  8
for i in range(0,10,1):  7
for i in range(0,10,1):  6
for i in range(0,10,1):  5
for i in range(0,10,1):  4
for i in range(0,10,1):  3
for i in range(0,10,1):  2
for i in range(0,10,1):  1
```

```
for i in range(0,101,10):
  print("for i in range(0,10,1): ", i)
```

```
for i in range(0,10,1):  0
for i in range(0,10,1):  10
for i in range(0,10,1):  20
for i in range(0,10,1):  30
for i in range(0,10,1):  40
for i in range(0,10,1):  50
for i in range(0,10,1):  60
for i in range(0,10,1):  70
for i in range(0,10,1):  80
for i in range(0,10,1):  90
for i in range(0,10,1):  100
```

```
for i in range(0,20,2):
  print("for i in range(0,10,1): ", i)
```

```
for i in range(0,10,1):  0
for i in range(0,10,1):  2
for i in range(0,10,1):  4
for i in range(0,10,1):  6
```

```
for i in range(0,10,1):  8
for i in range(0,10,1):  10
for i in range(0,10,1):  12
for i in range(0,10,1):  14
for i in range(0,10,1):  16
for i in range(0,10,1):  18

var_lst = [1,3,5,7,9,11,13,15,17,19,21]
max(var_lst)

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var_lst = [1,3,5,7,9,11,13,15,17,19,21]
min(var_lst)

1

var_lst = [1,3,5,7,9,11,13,15,17,19,21]
len(var_lst)

11

var_int = 1947
type(var_int)

int

help(type)

help(print)
```