**Встроенные типы данных ( Build-in Types )**

<https://www.w3schools.com/python/python_datatypes.asp>

<https://docs.python.org/3.10/library/stdtypes.html>

Variables can store data of different types, and different types can do different things.

Python has the following data types built-in by default, in these categories:

Переменные могут хранить данные разных типов, и разные типы могут выполнять разные действия. В Python по умолчанию встроены следующие типы данных в следующих категориях:

| **Built-in Types** | | |
| --- | --- | --- |
| Text Type: | Тип текста: | str |
| Numeric Types: | Числовые типы: | int,  float,  complex |
| Sequence Types: | Типы последовательностей: | list,  tuple,  range |
| Mapping Type: | Тип отображения: | dict |
| Set Types: | Типы наборов (множеств): | set,  frozenset |
| Boolean Type: | Логический тип: | bool |
| Binary Types: | Бинарные типы: | bytes,  bytearray,  memoryview |
| None Type: | Тип: | NoneType |

**Встроенные функции ( Built-in Functions )**

<https://docs.python.org/3/library/functions.html>

<https://docs.python.org/3.10/library/functions.html>

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

Интерпретатор Python имеет ряд встроенных функций и типов, которые всегда доступны. Они перечислены здесь в алфавитном порядке.

| **Built-in Functions** | | | |
| --- | --- | --- | --- |
| **A**  [abs()](https://docs.python.org/3/library/functions.html#abs)  [aiter()](https://docs.python.org/3/library/functions.html#aiter)  [all()](https://docs.python.org/3/library/functions.html#all)  [any()](https://docs.python.org/3/library/functions.html#any)  [anext()](https://docs.python.org/3/library/functions.html#anext)  [ascii()](https://docs.python.org/3/library/functions.html#ascii)  **B**  [bin()](https://docs.python.org/3/library/functions.html#bin)  [bool()](https://docs.python.org/3/library/functions.html#bool)  [breakpoint()](https://docs.python.org/3/library/functions.html#breakpoint)  [bytearray()](https://docs.python.org/3/library/functions.html#func-bytearray)  [bytes()](https://docs.python.org/3/library/functions.html#func-bytes)  **C**  [callable()](https://docs.python.org/3/library/functions.html#callable)  [chr()](https://docs.python.org/3/library/functions.html#chr)  [classmethod()](https://docs.python.org/3/library/functions.html#classmethod)  [compile()](https://docs.python.org/3/library/functions.html#compile)  [complex()](https://docs.python.org/3/library/functions.html#complex)  **D**  [delattr()](https://docs.python.org/3/library/functions.html#delattr)  [dict()](https://docs.python.org/3/library/functions.html#func-dict)  [dir()](https://docs.python.org/3/library/functions.html#dir)  [divmod()](https://docs.python.org/3/library/functions.html#divmod) | **E**  [enumerate()](https://docs.python.org/3/library/functions.html#enumerate)  [eval()](https://docs.python.org/3/library/functions.html#eval)  [exec()](https://docs.python.org/3/library/functions.html#exec)  **F**  [filter()](https://docs.python.org/3/library/functions.html#filter)  [float()](https://docs.python.org/3/library/functions.html#float)  [format()](https://docs.python.org/3/library/functions.html#format)  [frozenset()](https://docs.python.org/3/library/functions.html#func-frozenset)  **G**  [getattr()](https://docs.python.org/3/library/functions.html#getattr)  [globals()](https://docs.python.org/3/library/functions.html#globals)  **H**  [hasattr()](https://docs.python.org/3/library/functions.html#hasattr)  [hash()](https://docs.python.org/3/library/functions.html#hash)  [help()](https://docs.python.org/3/library/functions.html#help)  [hex()](https://docs.python.org/3/library/functions.html#hex)  **I**  [id()](https://docs.python.org/3/library/functions.html#id)  [input()](https://docs.python.org/3/library/functions.html#input)  [int()](https://docs.python.org/3/library/functions.html#int)  [isinstance()](https://docs.python.org/3/library/functions.html#isinstance)  [issubclass()](https://docs.python.org/3/library/functions.html#issubclass)  [iter()](https://docs.python.org/3/library/functions.html#iter) | **L**  [len()](https://docs.python.org/3/library/functions.html#len)  [list()](https://docs.python.org/3/library/functions.html#func-list)  [locals()](https://docs.python.org/3/library/functions.html#locals)  **M**  [map()](https://docs.python.org/3/library/functions.html#map)  [max()](https://docs.python.org/3/library/functions.html#max)  [memoryview()](https://docs.python.org/3/library/functions.html#func-memoryview)  [min()](https://docs.python.org/3/library/functions.html#min)  **N**  [next()](https://docs.python.org/3/library/functions.html#next)  **O**  [object()](https://docs.python.org/3/library/functions.html#object)  [oct()](https://docs.python.org/3/library/functions.html#oct)  [open()](https://docs.python.org/3/library/functions.html#open)  [ord()](https://docs.python.org/3/library/functions.html#ord)  **P**  [pow()](https://docs.python.org/3/library/functions.html#pow)  [print()](https://docs.python.org/3/library/functions.html#print)  [property()](https://docs.python.org/3/library/functions.html#property) | **R**  [range()](https://docs.python.org/3/library/functions.html#func-range)  [repr()](https://docs.python.org/3/library/functions.html#repr)  [reversed()](https://docs.python.org/3/library/functions.html#reversed)  [round()](https://docs.python.org/3/library/functions.html#round)  **S**  [set()](https://docs.python.org/3/library/functions.html#func-set)  [setattr()](https://docs.python.org/3/library/functions.html#setattr)  [slice()](https://docs.python.org/3/library/functions.html#slice)  [sorted()](https://docs.python.org/3/library/functions.html#sorted)  [staticmethod()](https://docs.python.org/3/library/functions.html#staticmethod)  [str()](https://docs.python.org/3/library/functions.html#func-str)  [sum()](https://docs.python.org/3/library/functions.html#sum)  [super()](https://docs.python.org/3/library/functions.html#super)  **T**  [tuple()](https://docs.python.org/3/library/functions.html#func-tuple)  [type()](https://docs.python.org/3/library/functions.html#type)  **V**  [vars()](https://docs.python.org/3/library/functions.html#vars)  **Z**  [zip()](https://docs.python.org/3/library/functions.html#zip)  **\_**  [\_\_import\_\_()](https://docs.python.org/3/library/functions.html#import__) |