

# Python Data Type

## ▼ Built-in Data Types

Text Type: str

Numeric Types: int, float, complex

Sequence Types: list, tuple

Mapping Type: dict

Set Types: set

Boolean Type: bool

```
a = "Hello World" #string
```

```
type(a)
```

```
str
```

```
b = 20 #integer
```

```
type(b)
```

```
int
```

```
c = 20.5 #float
```

```
type(c)
```

```
float
```

```
d = 1j #complex
```

```
type(d)
```

```
complex
```

```
e = [-1, True, 4.2, 'ybi foundation', 1,1,[1,2,3]] #list
```

```
e = list((-1, True, 4.2, 'ybi foundation', 1,1,[1,2,3])) #list
```

```
e
```

```
[-1, True, 4.2, 'ybi foundation', 1, 1, [1, 2, 3]]
```

```
type(e)
```

```
list
```

```
f = (-1, True, 4.2, 'ybi foundation', 1,1,[1,2,3]) #tuple
```

```
f = tuple((-1, True, 4.2, 'ybi foundation', 1,1,[1,2,3])) #tuple
```

```
f
```

```
(-1, True, 4.2, 'ybi foundation', 1, 1, [1, 2, 3])
```

```
type(f)\n    tuple
```

```
g = {'name' : ['ania', 'sonu', ' ania'], 'age' : [8, 4, 6]} #    dictionary
```

```
g\n\n{'age': [8, 4, 6], 'name': ['ania', 'sonu', ' ania']}
```

```
type(g)\n\n    dict
```

```
h = {-1, True, 4.2, 'ybi foundation', 1,1}
```

```
h\n\n{-1, 4.2, True, 'ybi foundation'}
```

```
type(h)\n\n    set
```

```
i =True
```

```
i\n\n    True
```

```
type(i)\n\n    bool
```

```
complex = 2 + 3j
```

```
type(complex)
```

```
complex
```

```
complex
```

```
(2+3j)
```

```
my_list = [2, 3, 2, 3, 'a', True, 2+3j, 4.5]
```

```
my_list = list((2, 3, 2, 3, 'a', True, 2+3j, 4.5))
```

```
type(my_list)
```

```
list
```

```
my_list
```

```
[1, 2, 3, 1, 2, 3, 'a', True, (2+3j), 4.5]
```

```
my_tuple = (2, 3, 2, 3, 'a', True, 2+3j, 4.5)
```

```
my_tuple = tuple((2, 3, 2, 3, 'a', True, 2+3j, 4.5))
```

```
type(my_tuple)
```

```
tuple
```

```
my_tuple
```

```
(1, 2, 3, 1, 2, 3, 'a', True, (2+3j), 4.5)
```

```
my_set = {2, 3, 2, 3, 'a', True, 2+3j, 4.5}
```

```
my_set = set(( 2, 3, 2, 3, 'a', True, 2+3j, 4.5))
```

```
type(my_set)
```

```
set
```

```
my_set
```

```
{(2+3j), 2, 3, 4.5, True, 'a'}
```

```
my_dictionary={'integer':[2, 3, 2, 3], 'string':'a', 'boolean':True, 'complex':2+3j, 'float': 4.5}
```

```
my_dictionary=dict({'integer':[2, 3, 2, 3], 'string':'a', 'boolean':True, 'complex':2+3j, 'float':4.5})
```

```
type(my_dictionary)
```

```
dict
```

```
my_dictionary
```

```
{'boolean': True,  
 'complex': (2+3j),  
 'float': 4.5,  
 'integer': [2, 3, 2, 3],  
 'string': 'a'}
```

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