

Types

| Type | Example |
|------------|---|
| Integer | 10, 20, -5 |
| float | 3.14, 10.0 |
| string | 'Baishan', 'grade9', '100' |
| boolean | True, False |
| list | [1,2,3], ['a', 100] |
| tuple | (1,2,3) |
| dictionary | {'978-0596158101' : 'Programming Python, Powerful Object-Oriented Programming '} |
| set | {'Harvard', 'MIT', 'Princeton', 'Cornell', 'Columbia', 'Brown', 'U. Pennsylvania', 'Dartmouth College'} |

Type Conversion

`int()` - Return an integer object constructed from a number or string x, or return 0 if no arguments are given

`float()` - Return a floating point number constructed from a number or string

`str()` - Return a string version of object. If object is not provided, returns the empty string

Type Conversion

```
# numerical: integer  
print(type(10))
```

```
# float  
print(type(3.14))  
print(type(10.0))
```

```
# string  
print(type('Baishan School'))
```

```
# boolean  
print(type(True))  
print(type(1==1))
```

```
# list - mutable  
print(type([1, 3, 5]))
```

```
# tuple - immutable  
print(type((1, 3, 5)))
```

```
# dictionary  
print(type({}))  
print(type({'Shangdong' : '532', 'Beijing' : '001'}))
```

```
# set  
print(type(set()))  
print(type(set({'Harvard', 'MIT', 'Princeton'})))
```