In [1]:
```
print(True*2)
```

```
2
```

In [2]:
```
list(range(9))
```

Out[2]:
```
[0, 1, 2, 3, 4, 5, 6, 7, 8]
```

In [3]:
```
dict(range(9))
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[3], line 1
----> 1 dict(range(9))

TypeError: cannot convert dictionary update sequence element #0 to a sequence
```

In [4]:
```
set(range(9))
```

Out[4]:
```
{0, 1, 2, 3, 4, 5, 6, 7, 8}
```

In [5]:
```
tuple(range(9))
```

Out[5]:
```
(0, 1, 2, 3, 4, 5, 6, 7, 8)
```

In [6]:
```
obj_data=()
type(obj_data)
```

Out[6]:
```
tuple
```

In [7]:
```
obj_data={}
type(obj_data)
```

Out[7]:
```
dict
```

In [8]:
```
obj_data=[]
type(obj_data)
```

Out[8]:
```
list
```

In [9]:
```
//type
```

```
  Cell In[9], line 1
    //type
    ^
SyntaxError: invalid syntax
```

In [10]:
```
#type
```

In [11]:
```
print(3+2)
print(3-2)
print(3*2)
print(3/2)
```

```
print(3//2)
print(3**2)
print(3%2)
```

```
5
1
6
1.5
1
9
1
```

In [12]:
```
print(type(3))
print(type(9.8))
print(type())
print(type('Rashmi'))
print(type(False))
print(type(3+2j))
```

```
<class 'int'>
<class 'float'>
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[12], line 3
      1 print(type(3))
      2 print(type(9.8))
----> 3 print(type())
      4 print(type('Rashmi'))
      5 print(type(False))

TypeError: type() takes 1 or 3 arguments
```

In [13]:
```
print(type(3))
print(type(9.8))
#print(type())
print(type('Rashmi'))
print(type(False))
print(type(3+2j))
```

```
<class 'int'>
<class 'float'>
<class 'str'>
<class 'bool'>
<class 'complex'>
```

In [14]:
```
print(type{'Rashmi':'Balurkar'})
```

```
  Cell In[14], line 1
    print(type{'Rashmi':'Balurkar'})
              ^
SyntaxError: invalid syntax
```

In [15]:
```
print(type({'Rashmi':'Balurkar'}))
```

```
<class 'dict'>
```

In [16]:
```
print(type({'Rashmi':'Sidhesh':'Balurkar'}))
```

```
  Cell In[16], line 1
    print(type({'Rashmi':'Sidhesh':'Balurkar'}))
                                   ^
SyntaxError: invalid syntax
```

In [17]:
```
print(type(3.8,7.9,8))
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[17], line 1
----> 1 print(type(3.8,7.9,8))

TypeError: type.__new__() argument 1 must be str, not float
```

In [18]:
```
print(type((3.8,7.9,8)))
```

```
<class 'tuple'>
```

In [19]:
```
print(type({7,8,9}))
```

```
<class 'set'>
```

In [20]:
```
print(type([9,8,8]))
```

```
<class 'list'>
```

In [ ]:
```

```