In [1]:
```python
i=9
type(i)
```

Out[1]: int

In [2]:
```python
i=9.0
type(i)
```

Out[2]: float

In [3]:
```python
i=a
type(a)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[3], line 1
----> 1 i=a
      2 type(a)

NameError: name 'a' is not defined
```

In [4]:
```python
i='a'
type(a)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[4], line 2
      1 i='a'
----> 2 type(a)

NameError: name 'a' is not defined
```

In [5]:
```python
type(i)
```

Out[5]: str

In [6]:
```python
i=a
type(i)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[6], line 1
----> 1 i=a
      2 type(i)

NameError: name 'a' is not defined
```

In [7]:
```python
i="Hello"
```

In [8]:
```python
print(i)
```

```
Hello
```

In [9]:
```python
i='''Hello
                World'''
print(i)
```

```
Hello
                World
```

In [10]:
```python
i="Hello
                World"
type(i)
```

```
  Cell In[10], line 1
    i="Hello
      ^
SyntaxError: unterminated string literal (detected at line 1)
```

In [11]:
```python
i='Hello
        World'
type(i)
```

```
  Cell In[11], line 1
    i='Hello
      ^
SyntaxError: unterminated string literal (detected at line 1)
```

In [12]:
```python
print("I'mpossibe")
```

```
I'mpossibe
```

In [13]:
```python
print('I'mpossible')
```

```
  Cell In[13], line 1
    print('I'mpossible')
                ^
SyntaxError: unterminated string literal (detected at line 1)
```

In [14]:
```python
print('I\'mpossible')
```

```
I'mpossible
```

In [15]:
```python
print("'I\'mpossible'")
```

```
'I'mpossible'
```

In [16]:
```python
a="I'mpossible"
a
```

Out[16]:
```
"I'mpossible"
```

In [17]:
```python
print(a)
```

```
I'mpossible
```

In [18]:
```python
a=True
print(a)
```

```
True
```

In [19]: `print(type(a))`

`<class 'bool'>`

In [20]: `type(a)`

Out[20]: `bool`

In [21]:
```
j=3+4j
type(j)
```

Out[21]: `complex`

In [22]: `j.real`

Out[22]: `3.0`

In [23]: `i.imag`

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[23], line 1
----> 1 i.imag

AttributeError: 'str' object has no attribute 'imag'
```

In [24]: `j.imag`

Out[24]: `4.0`

In [25]:
```
k=6+9j
j+k
```

Out[25]: `(9+13j)`

In [26]: `j/k`

Out[26]: `(0.46153846153846156-0.025641025641025654j)`

In [27]: `j//k`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[27], line 1
----> 1 j//k

TypeError: unsupported operand type(s) for //: 'complex' and 'complex'
```

In [28]: `True/False`

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call last)
Cell In[28], line 1
----> 1 True/False

ZeroDivisionError: division by zero
```

In [29]: `False/True`

Out[29]: 0.0

In [30]: `True*False`

Out[30]: 0

In [ ]:

In [ ]: