In [2]:
```python
myvar2 = 2
```

In [3]:
```python
my_var = 2
```

In [4]:
```python
x="Python"
y="is"
z="Awesome"
```

In [5]:
```python
print(x,y,z)
```

```
Python is Awesome
```

In [6]:
```python
print(x+y+z)
```

```
PythonisAwesome
```

In [8]:
```python
x=float(1)
```

In [9]:
```python
print(x)
type(x)
```

```
1.0
```

Out[9]: float

In [10]:
```python
y = int(2.88)
print(y)
type(y)
```

```
2
```

Out[10]: int

In [11]:
```python
z=complex(1)
print(z)
```

```
(1+0j)
```

In [12]:
```python
del z
```

In [13]:
```python
z = 21 % 5
```

In [14]:
```python
print(z)
```

```
1
```

In [18]:
```python
%whos
```

```
Variable    Type     Data/Info
------------------------------
my_var      int      2
myvar2      int      2
x           float    1.0
y           int      2
z           int      1
```

Operators

```
In [15]:  a = 7
          b= 4
```

```
In [16]:  print(a*b)
```

28

```
In [17]:  print(a/b)
```

1.75

```
In [18]:  print(a//b)
```

1

```
In [19]:  print(a==b)
```

False

```
In [20]:  z = a==b
```

```
In [21]:  type(z)
```

Out[21]: bool

Bool

```
In [22]:  a=True
          b=True
          c=False
```

```
In [23]:  %whos
```

```
Variable    Type        Data/Info
----------------------------------
a           bool        True
b           bool        True
c           bool        False
my_var      int         2
myvar2      int         2
x           float       1.0
y           int         2
z           bool        False
```

In [24]:
```python
print(a and b)
print(a and c)
print(b and c)
```

```
True
False
False
```

In [25]:
```python
d = a or c
print(d)
```

```
True
```

In [26]:
```python
not(a)
```

Out[26]: False

In [27]:
```python
not((a and b)or(c or d))
```

Out[27]: False

In [28]:
```python
x = 4
y = 6
```

In [29]:
```python
print(x == y)
```

```
False
```

In [30]:
```python
print (x != y)
```

```
True
```

In [31]:
```python
print (x < y)
```

```
True
```

In [32]:
```python
print (x > y)
```

```
False
```

In [33]:
```python
z = 6
```

In [34]:
```python
print (y >= z)
```

```
True
```

In [35]:
```python
b =  (y > z)
```

In [36]:
```python
type (b)
```

Out[36]: bool

```
In [37]: x = 4
         y = 9
         z = 8.3
         r = -3
```

```
In [38]: print((x<y)and(z<y)or(r==x))
```

```
True
```

```
In [39]: True or False and True
```

Out[39]: True

```
In [40]: (True or False) and False
```

Out[40]: False

String Operations

```
In [41]: a = "Hello World!"
```

```
In [42]: type(a)
```

Out[42]: str

```
In [43]: multineString = """ Hey, this is my first time learning python,
         Its pretty intresting!
         There are a lot of operators.
         """
```

print(multineString)

```
In [44]: print(len(multineString))
```

98

```
In [45]: print("abc" not in multineString )
```

True

```
In [46]: a = "Hello World"
```

```
In [47]: print(a[2:7])
```

llo W

```
In [48]: print(a[:5])
```

Hello

```
In [49]: print(a[2:])
```

llo World

In [51]:
```python
print(a[-2:-1])
```

l

In [ ]: