PYTHON OPERATORS

Operators are used to perform operations

Arithmatic operator

Logical operator

Bitwise operator

Assignment operators   ¶

Comparision operators

In [1]:

```
# arithmatic operations
print(10+5)
```

15

In [2]:

```
print(10-6)
```

4

In [4]:

```
print(2*5)
```

10

In [5]:

```
print(60/12)
```

5.0

In [6]:

```
print(30%3)
```

0

In [7]:

```
print(6**4)
```

1296

assignment operators

simple assignment operator (=)

add & equal operator (+=)

subtract & equal operator(-=)

asterik & equal operator (*=)

divide & equal operator (/=)

modulus & equal operator (%=)

double divide & equal operator (//=)

exponent assign operator (=)**

bitwise and operator (&=)

bitwise or operator (|=)

bitwise xor operator (^=)

bitwise right shift assignment operator (>>=)

bitwise left shift assignment operator (<<=)

In [8]:

```python
# Assignment operations

x=6
print(x)
```

6

In [18]:

```python
x=60
y=70
if(x==y):
    print("yes")
else:
    print("no")
```

no

In [13]:

```python
x=4
x+=5
print(x)
```

9

In [14]:

```python
x-=6
print(x)
```

3

In [15]:

```python
x*=4
print(x)
```

12

In [16]:

```python
x/=6
print(x)
```

2.0

In [17]:

```python
x%=6
print(x)
```

2.0

In [20]:

```python
x//=77
print(x)
```

0

In [21]:

```python
x=50
x**=6
print(x)
```

15625000000

In [22]:

```python
x=77
x&=7
print(x)
```

5

In [23]:

```
x=58
x|=50
print(x)
```

58

In [24]:

```
x=80
x^=6
print(x)
```

86

In [25]:

```
x>>=20
print(x)
```

0

In [26]:

```
x=20
x<<=20
print(x)
```

20971520

In [28]:

```
# comparision operations
# ==,!=,>,<,>=,<=
x=5
y=3
if(x>y):
    print("yes")
else:
    print("no")
```

yes

In [29]:

```
x=6
y=9
print(y<x)
```

False

In [30]:

```
x=6
y=9
print(x==y)
```

False

In [31]:

```python
print(x!=y)
```

True

In [32]:

```python
print(x>=y)
```

False

In [33]:

```python
print(x<=y)
```

True

In [38]:

```python
# logical operators
# and, or, not
x=6
print(x>3 and y<10)
```

True

In [44]:

```python
x=7
print(x<3 or x>6)
type(x)
```

True

Out[44]:

int

In [45]:

```python
x=6
print(not(x>3 and y<10))
```

False

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: