1. Arithmetic Operators

In [1]:
```
a = 10
b = 30
```

In [2]:
```
print(a+b)
```

```
40
```

In [3]:
```
print(a-b)
```

```
-20
```

In [4]:
```
print(b-a)
```

```
20
```

In [5]:
```
print(b/a)
```

```
3.0
```

In [6]:
```
print(b//a)
```

```
3
```

In [7]:
```
print(a*b)
```

```
300
```

In [8]:
```
print(a**b)
```

```
1000000000000000000000000000000
```

In [9]:
```
print(b%a)
```

```
0
```

In [10]:
```
print(a%b)
```

```
10
```

2. Assignment Operators

In [12]:
```
a
```

Out[12]: 10

In [13]:
```
a +=2
```

In [14]:
```
a
```

Out[14]: 12

In [15]:
```
a -=1
a
```

Out[15]: 11

In [27]:
```
a *=2
a
```

Out[27]: 22.0

In [28]:
```
a /=2
a
```

Out[28]: 11.0

In [21]:
```
x = 56
x
```

Out[21]: 56

In [22]:
```
x /=2
```

In [23]:
```
x
```

Out[23]: 28.0

3. Relational Operator

In [29]:
```
a = 10
b = 20
```

In [30]:
```
a == b
```

Out[30]: False

In [31]:
```
a > b
```

Out[31]: False

In [32]:
```
a < b
```

Out[32]: True

In [33]:
```
a != b
```

Out[33]: True

In [34]:
```
a >= b
```

Out[34]: False

In [35]:
```
a <= b
```

Out[35]: True

4. Logical Operator

In [36]:
```
x = True
y = False
```

In [37]:
```
x and y
```

Out[37]: False

In [38]:
```
x or y
```

Out[38]: True

In [40]:
```
 not y
```

Out[40]: True

In [41]:
```
not x
```

Out[41]: False

Unary Operator

In [42]:
```
n = 7
n
```

Out[42]: 7

In [43]:
```
m = -n
```

In [44]:
```
m
```

Out[44]: -7

In [ ]:
```

```