```python
In [1]:  # Operators
```

```python
In [2]:  # Arithmetic Operators
         a = 20
         b = 3
         print(a+b)#23
         print(a-b)#17
         print(a/b)#6.6666666666
         print(a*b)#60
         print(a%b)#2
         print(a//b)#6
         print(a**b)#8000
```
```
23
17
6.666666666666667
60
2
6
8000
```

```python
In [3]:  # Assingment Opertors
         a = 10
         print(a)#10
         a += 10
         print(a)#20
         a -= 13
         print(a)#7
         a *= 7
         print(a)#49
         a /= 7
         print(a)#7.0
         a //= 7
         print(a)#1.0
         a += 2
         print(a)#3.0
         a *= 2
         print(a)#6.0
         a **= 2
         print(a)#36.0
         a %= 3
         print(a)#0.0
```
```
10
20
7
49
7.0
1.0
3.0
6.0
36.0
0.0
```

```python
In [4]:  # Comparision operators
         a = 10
         b = 20
         print(a > b)
         print(a >= b)
         print(a < b)
         print(a <= b)
         print(a == b)
         print(a != b)
         print(a == b)
```
```
False
False
True
True
False
True
False
```

```python
In [5]:  # Logical Operators
         a = 10
         b = 10
         print(a+b==20 and a-b == 0)
         print(a+b==20 and a-b == 10)
         print(a+b==0 and a-b == 10)
         print(a+b==20 or a-b == 0)
         print(a+b==0 or a-b == 0)
         print(a+b==0 or a-b == 10)
         print(not(a+b == 0 or a-b == 10))
```
```
True
False
False
True
True
False
True
```

```python
In [6]:  # Bitwise Operators
         a = 5
         b = 7
         print(a & b)
         print(a | b)
         print(a >> 1)
         print(a << 1)
```
```
5
7
2
10
```

```python
In [7]:  # Membership Operator
         a = ['Utsav', 'Patel', 9, 12, 1991]
         print(12 in a)
```
```
True
```

```python
In [8]:  # Identity Operators
         a = "Utsav"
         print("Uts")
         a = {12, 32}
         b = {12, 32}
         print(a == b)
```
```
Uts
True
```