

1.3-Operator

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```
[18]: # Arithmetic Operation
a = 10
b = 15
add_result = a+b
sub_result = a-b
mult_result = a*b
div_result = a/b
floor_div_result = a//b
modulus_result = a%b
exponent_result = a**b
print(add_result)
print(sub_result)
print(mult_result)
print(div_result)
print(floor_div_result)
print(modulus_result)
print(exponent_result)
```

```
25
-5
150
0.6666666666666666
0
10
10000000000000000
```

```
[19]: # Comparison Operators
a = 10
b = 10

a==b
```

```
[19]: True
```

```
[20]: str1 = "Uditya"
str2 = "Uditya"
str1==str2
```

[20]: True

```
[21]: str1 != str2
```

[21]: False

```
[22]: a= 90
      a>b
```

[22]: True

```
[23]: a<b
```

[23]: False

```
[24]: a>=b
```

[24]: True

```
[25]: a<=b
```

[25]: False

```
[26]: # logical operator
      X = True
      Y = False
      result = X and Y
      print(result)
```

False

```
[27]: X or Y
```

[27]: True

```
[28]: not X
```

[28]: False

```
[29]: not Y
```

[29]: True