Python Arithmetic Operators

Arithmetic operators are used with numeric values to perform common mathematical operations:

1. Arithmetic operators:

Operator	Description	Syntax
+	Addition: adds two operands	x + y
-	Subtraction: subtracts two operands	x - y
*****	Multiplication: multiplies two operands	x * y
/	Division (float): divides the first operand by the second	x / y
//	Division (floor): divides the first operand by the second	x // y
%	Modulus: returns the remainder when the first operand is divided by the second	x % y
******	Power: Returns first raised to power second	x ** y

Arithmetic operators are used to performing mathematical operations like addition, subtraction, multiplication, and division.

Example:

Addition:

```
#Addition of a number

a = 10
b = 5
add = a + b
print(add)
```

output:

```
15
```

Subtraction:

```
#Subtraction of a number

a = 10
b = 5
sub = a - b
print(sub)
```

output:

Multiplication:

#Multiplication of a number

```
a = 10
b = 5
mul = a * b
print(mul)
```

output:

50

Division(floor):

```
#Division(floor) of a number
a = 13
b = 5
div = a // b
print(div)
```

output:

2

Division(float):

```
#Division(float) of a number
a = 10
b = 5
div = a / b
print(div)
```

output:

2.0

Modulo(remainder):

```
#Modulo of both number

a = 10
b = 5
mod = a % b
print(mod)
```

output:

0

Power:

#Modulo of both number

```python
a = 2
b = 3
pow = a ** b
print(pow)
```

output:

8