→ Arithmetic Operators

Operator	Description	Syntax
+	Addition : adds two operands	x + y
-	Substraction : Subtracts Second operands from 1st operand	x - y
*	Multiplication: multiplies two operands	x * y
/	Division (float): divides the first operand by the Second and Returns float value (4/2)	x / y
//	Division (floor): divides the first operand by the (2.0) Integer division: Second & returns floor value (4/2)	x // y
%	Modulus : returns the remainder when the first divisible by the denominator operand is divided by the second	x % y
**	Power : Returns first raised to power second exponentiation / Power (2**4) → 16	x ** y

→ Assignment Operators

Operator	Description	Syntax
=	Assign value of right side of expression to left side ope.	a = b + c
+=	Add AND: Add right-side operand with left side operand & then assign to left operand	a += b a = a + b
-=	Subtract AND: Subtract right operand from left operand and then assign to left operand	a -= b a = a - b
*=	Multiply AND: Multiply right operand with left operand & then assign to left operand	a *= b a = a * b
/=	Divide AND: Divide left operand with right operand & then assign to left operand	a /= b a = a / b
%=	Modulus AND: Takes modulus using left and right operands & assign the result to left operand	a %= b a = a % b
//=	Divide(floor) AND: Divide left operand with right operand & then assign the value(floor) to left Operand	a //= b a = a // b

→ Comparison (Relational) Operators

Operator	Description	Syntax
>	Greater than - True if left operand is greater than the right	X>y
<	Less than - True if left operand is less than the right	X<y
==	Equal to - True if both operands are equal	X==y
!=	Not equal to - True if operands are not equal	X!=y
>=	Greater than or equal to - True if left operand is greater than or equal to the right	X>=y
<=	Less than or equal to - True if left operand is less than or equal to the right	X<=y