Operators in Python

Arithmetic Operators in Python

Operators are special symbols in Python that carry out arithmetic or logical computation.

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

Operands: The value that the operator operates on is called the operand.

For e.g. 2 + 3, Here "+" is an operator, while 2 & 3 are operands.

Assume, a = 2 and b = 3

Operator	Description	Example
+ Addition	Adds values on either side of the operator.	a + b = 5
- Subtraction	Subtracts right hand operand from left hand operand.	a – b = -1
* Multiplication	Multiplies values on either side of the operator	a * b = 6
/ Division	Divides left hand operand by right hand operand	b / a = 1.5

% Modulus	Divides left hand operand by right hand operand and returns remainder	b % a = 1
** Exponent	Performs exponential calculation on operators	a**b =2 to the power 3 = 8
// Floor Division	Floor Division - The division of operands where the result is the quotient in which the digits after the decimal point are removed.	a // b = 0 b // a = 1

These Arithmetic Operators was the one of the type of operators in Python, It also does have other types of operators as follows:

- ➢ Arithmetic Operators
- ➢ Assignment Operators
- ➢ Bitwise Operators
- ➢ Comparison (Relational) Operators
- ➢ Identity Operators
- ➢ Logical Operators
- ➢ Membership Operators

We are going to learn these operators on the go, as we proceed through the course in upcoming sessions.

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