

# Python Operators

Python support operators same as c and c++ operators like arithmetic operators,logical operators and more operators same as c and cpp the following all type of operators are describe into details.

## Types of Python Operators

**Arithmetic Operators**

**Relational Operators**

**Assignment Operators**

**Logical Operators**

**Membership Operators**

**Identity Operators**

**Bitwise Operators**

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## Arithmetic Operators

Operators	Description
+	Addition
-	Subtraction
*	Multiplication
/	Division
%	Modulus
**	Raise to Power
//	Floor Division

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## Relational Operators

Operators	Description
<	Less Than
>	Greater Than
<=	Less Than or Equal to
>=	Greater Than or Equal to

Operators	Description
==	Equal to
!=	Not Equal to
<>	Not Equal to

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## Assignment Operators

Operators	Description
=	Assignment
/=	Divide and Assign
+=	Addition and Assign
-=	
*=	Multiply and Assign
%=	Modulus and Assign
**=	Exponent and Assign
//=	Floor Division and Assign

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## Logical Operators

Operators	Description
and	Logical AND
or	logical OR
not	logical NOT

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## Membership Operators

Operators	Description
in	Returns true if a variable is in sequence of another variable, else false.
not in	Returns true if a variable is not in sequence of another variable, else false

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## Identity Operators

Operators	Description
is	Returns true if identity of two operands are same, else false
is not	Returns true if identity of two operands are not same, else false.

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## Bitwise Operators

<b>Operators</b>	<b>Description</b>
&	Binary AND
	Binary OR
^	Binary XOR
~	Binary Ones Complement
<<	Binary Left Shift
>>	Binary Right Shift