

Calculation Operators

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Operation	Token	Arguments	Data Type	Example	Comments
<h2>Maths Operators (more)</h2>					
Add	+	numeric, numeric<	numeric	Age + 10	
Subtract	-	numeric, numeric	numeric	Age - Manager.Age	
Multiply	*	numeric, numeric	numeric	Cost * Quantity	
Divide	/	numeric, numeric	numeric	Cost / Quantity	Result is always a decimal.
Modulo	%	int, int	int	10 % 7 (result is 3)	Remainder of integer division. See details .
Negate	-	numeric	numeric	-Age	
<h2>String Operators (more)</h2>					
Concatenate	+	string, string	string	Title + ' ' + [Last Name]	Joins multiple strings together.
<h2>Logic Operators (more)</h2>					
Not	not	bool	bool	not [Is approver]	'not' has a higher precedence than 'and'
And	and	bool, bool	bool	Cost < 1000 and Quantity < 10	'and' has a higher precedence than 'or'.

Operation	Token	Arguments	Data Type	Example	Comments
Or	or	bool, bool	bool	Cost >= 1000 or Quantity >= 10	
<h2>Comparison Operators (more)</h2>					
Less than	<	comparable, comparable	bool	Cost < 1000	
Less than or equal	<=	comparable, comparable	bool	Cost <= 1000	
Greater than	>	comparable, comparable	bool	Name > 'M'	
Greater than or equal	>=	comparable, comparable	bool	Cost >= 1000	
Equal	=	equatable, equatable	bool	Name = 'Peter Smith'	
Not equal	<>	equatable, equatable	bool	Name <> 'Peter Smith'	
Like	like	string, string	bool	Name like 'Peter%'	Supports % wildcards at either end.
Not Like	not like	string, string	bool	Name not like 'Peter%'	Supports % wildcards at either end.
Is Null	is null	resource	bool	Department is null	Returns true if a resource/relationship is not set
Membership	in	comparable, comparable	bool	[Project],[Tasks] in ('Document','Test')	The search and option expressions can be scalar values, choice field values, or records.

Operation	Token	Arguments	Data Type	Example	Comments
<h2>List Operators (Where, Order By)</h2>					
Where	where	entity list, bool	entity list	[Direct Reports] where Name='Peter Smith'	Applies a condition (bool)
Order by	order by	entity list, comparable	entity list	[Direct Reports] order by Name	Note: Currently only a single ascending order can be applied. <i>Note: not supported for reports.</i>

Notes on types:

- Numeric types: number (int), decimal, currency, percent
- Comparable types: All numeric types and date, time, date time, string
- Equatable types: All comparable types and yes/no (bool), GUID