

## A Few Common Microsoft Access Expressions

### Selection Criteria

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Operator	Description	Example	Limits Records To
<i>Arithmetic Operators</i>			
+	Addition	=Cost+50	Values equal to 50 or more than the value in the Cost field
-	Subtraction	=Cost-50	Values equal to 50 or less than the value in the Cost field
*	Multiplication	=Cost*2	Values twice the amount in the Cost field
/	Division	=Cost/2	Values half the amount in the Cost field
\	Integer division	=Cost\2	The integer portion of values that result from dividing the Cost field by 2
Mod	Modulo division	=Cost Mod 2	The remainder of dividing the Cost value by 2
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<i>Comparison Operators</i>			
=	Equals	=Books or ="Books"	Text value Books
>	Greater Than	>7/15/98 or >#7/15/98#	Dates later than July 15, 1998
<	Less Than	<1500	Values less then 1500
>=	Greater than or equal to	>=15	Values greater than or equal to 15
<=	Less than or equal to	<=1/1/00 or <=#1/1/00#	Dates on or before January 1, 2000
<>	Not equal to	<>NY or <>"NY"	Values other than NY
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<i>Operators used in Expressions</i>			
Between...And	Between two values, inclusive	Between 100 And 500	Numbers from 100 and 500, inclusive

In	Included in a set of values	In("Germany", "France")	Either Germany or France
Is Null	Field is Empty	Is Null	Records with no value in the field
Is Not Null	Field is not Empty	Is Not Null	Record with a value in the field
""	Field contains a zero-length string	=""	Records with a zero-length string in the field
Like	With wildcards, matched a pattern	Like "C*" or Like "C"	Any text values the begin with C.

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### Logical Operators

And	Both conditions are True	>=10 And <=100	Values are between 10 and 100, inclusive
Or	Either conditions is True	Books Or Videos or "Books" Or "Videos"	Either Books or Videos
Not	Not True	Not Like AB* or Not Like "AB*"	All values except those beginning with AB

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### Using the Date in Functions

Date()	<Date()+45		Displays a date that is 45 from today's date
DateAdd()	>DateAdd("m",6,Date())		Displays a date that is moe than 6 months from today. The m isolates the month value

*Expressions Referenced from: Access 2000: The Complete Reference. Osbourne-McGraw Hill 1999*

**Note:** The \* denotes a **wildcard** in an Access Expression. A wildcard represents any number of characters. For example, you can look for a record that begins with the letter B by creating an expression like the following: Like "B\*". The \* is the wildcard.