

Mathematical operators			
Database A database is a structured collection of data that allows people to extract information in a way that meets their needs. Data can include text, numbers and pictures. A single-table database contains only one table. A table consists of many records. each record is a row in the table each field is a column in the table.	Data type	Description	Access data type
	Text /alphanumeric	A number of characters	Short text/long text
	Character	A single character	Short text with a field size of one
	Boolean	One of two values: either True or False, 1 or 0, Yes or No	Yes/No
Primary keys The primary key is a field that uniquely identifies the record. Each primary key contains a unique value ; it must contain data values that are never repeated in the table.	Integer	Whole number	Number formatted as fixed with zero decimal places
	Real	A decimal number	Number formatted as decimal
	Date/time	Date and/or time	Date/Time

Mathematical operators		Examples	
SQL query statement	Description of statement	SQL query statement	Description of statement
SELECT	Fetches specified fields (columns) from a table; queries always begin with SELECT	SELECT ItemDescription, Price FROM ItemsForSale WHERE Price > 10.00 ORDER BY Price;	Displays the description and price of all items for sale with a price of more than 10.00
FROM	Identifies the table to use.		
WHERE	Includes only records (rows) in a query that match a given condition.	SELECT SUM(Price) FROM ItemsForSale WHERE Price > 10.00	Displays the total value all items for sale with a price of more than 10.00
ORDER BY	Sorts the results from a query by a given column either alphabetically or numerically.		
SUM	Returns the sum of all the values in a field (column). Used with SELECT	SELECT COUNT(Price) FROM ItemsForSale WHERE Price > 10.00	Displays the number of items for sale with a price of more than 10.00
COUNT	Counts the number of records (rows) where the field (column) matches a specified condition. Used with SELECT		