Applies to:
SAP Crystal Reports 2020

USING AND / OR TO COMBINE QUERY FILTERS

Retrieve this data	Example	Select
Data true for both filters.	Customers who ordered supplies in Q1 and in Q2 (the data you retrieve will include: customers who placed orders in both Q1 and Q2).	And
Data true for any one of the filters.	Customers who ordered supplies in: Q1 or Q2 (the data you retrieve will include: customers who placed orders in Q1 only; customers who placed orders only in Q2, and; customers who placed orders in both Q1 and Q2).	Or

USING QUERY FILTER OPERATORS

Retrieve this data	Example	Select
Values equal to a value you specify.	Retrieve data for the US only.	<Country> Equal to US
Values different from a value you specify.	Retrieve data for all quarters except Q4.	<Quarter> Different from Q4
Values greater than a value you specify.	Retrieve data for customers aged over 60.	<Customer Age> Greater than 60
Values greater than or equal to a value you specify.	Retrieve data for revenue starting from $1.5M upward.	<Revenue> Greater than or equal to 1500000
Values lower than a value you specify.	Retrieve data for exam grades below 40.	<Exam Grade> Less than 40
Values lower than or equal to a value you specify.	Retrieve customers whose age is 30 or less.	<Age> Less than or equal to 30
Values between two values you specify that includes those two values.	Retrieve the weeks starting at week 25 and finishing at 36 (including week 25 and week 36).	<Weeks> Between 25 and 36
Values outside the range of two values you specify.	Retrieve all the weeks of the year, except for weeks 25 through 36 (week 25 and week 36 are not included).	<Weeks> Not Between 25 and 36

Retrieve this data	Example	Select
Values that are the same as several values you specify.	Retrieve data for only the following countries: the US, Japan, and the UK.	<Country> In list 'US; Japan; UK'
Values that are different from the multiple values you specify.	Don't retrieve data for the following countries: the US, Japan, and the UK.	<Country> Not in list 'US; Japan; UK'
Values for which there is no value entered in the database.	Retrieve customers without children (the children column in the database has no data entry).	<Children> Is null
Values for which a value was entered in the database.	Retrieve customers with children (the children column in the database has a data entry).	<Children> Is not Null
Values that includes a specific string.	Retrieve customers whose date of birth is 1972.	<DOB> Matches pattern, '72'
Values that don't include a specific string.	Retrieve customers whose date of birth is not 1972.	<DOB> Different from pattern, '72'
Values that correspond to two values you specify.	Retrieve Telco customers who have both a fixed telephone and a mobile phone.	<Account Type> Both "fixed" and "mobile"
Values that correspond to a single value and do not correspond to another value you specify.	Retrieve Telco customers who have a fixed telephone, but don't have a mobile phone.	<Account Type> "fixed" Except "mobile"

USING SUBQUERY PARAMETERS

Parameter	Description
Filter Object(s)	The object whose values are used to filter the result objects. You can include more than one Filter Object. If you do, Crystal Reports concatenates the values of the objects you specify.
Filter By Object(s)	The object that determines which Filter Object values the sub query returns. You can include more than one Filter By object. If you do, Crystal Reports concatenates the values of the objects you specify.
Operator	The operator that specifies the relationship between the Filter object and the Filter By object. Because of database restrictions you cannot use certain combinations of operators and Filter By objects together. For example, if you use the Equal To operator with a Filter By object that returns multiple values, the database rejects the SQL because this type of subquery requires the Filter By object to return one value only. In cases where the generated SQL is rejected by the database, you see an error message showing the error description returned by the database.
WHERE condition (optional)	An additional condition that constrains the list of values of the Filter By object. You can use ordinary report objects, pre-defined conditions or existing query filters (including subqueries) in the WHERE condition.
Relationship operator	If there is more than one subquery, determines the relationship between the subqueries. AND - the conditions in all of the subqueries must be satisfied. OR - the conditions in any one of the subqueries must be satisfied.

USING RANKING PARAMETERS

Parameter	Description
Top/Bottom	Ranking order. Top - ranks in descending order. Bottom - ranks in ascending order.
Number of records	The number of records to return in the ranking. For example, the top 10.
Ranking object	The object used in the ranking. For example, if the object is Region and the ranking is Top 10, the ranking returns the top 10 regions.
Based on	The measure by which the ranking object is ranked. For example, if the measure is Revenue and the object is Region, Crystal Reports ranks regions by the amount of revenue they generate.
For Each (optional)	The object that specifies additional calculation context for the ranking. For example, if the ranking object is Region, the measure is Revenue and the For Each dimension is Country, Crystal Reports ranks regions by revenue within each country.
WHERE condition (optional)	Additional restriction on the values returned in the ranking that appears below the other parameters. For example, a ranking of regions with a condition that restricts Country to "USA" ranks only those regions in the USA.