

### DataSource Functions

#### Filter( Table,condition1[,condition2] )

Table: Datasource to search

Condition(s): A logical Expression

Result: A table with all records in which all conditions are true

#### Search( Table,SearchString,Column1[,Column2])

Table: Datasource to search

Search-String: String to search for within the table columns. If blank or empty all the table records will be returned.

Column(s): Name of table columns. They must be between double quotes.

Result: Records table with the SearchString

#### LookUp( Table, Formula [, Reduction-Formula ] )

Table: Datasource to search

Condition: A logical expression or formula that evaluate each records in the table. Its result must be true or false

Reduction-Formula: Formula to reduce founded record to a single value. Column references can be use it.

Result: The first record that comply with the condition, or a single value if a reduction formula is used.

Columns are like an array of same type values, many functions that applies to single values applies to columns too.

### Save Data

**Patch(Data-source;Record;UpdateRecord)** Update a Record in a Datasource or a Collection

**Patch(Data-source;Defaults(Data-source);RecordtoInsert)** Insert a Record in a Datasource or a Collection

**Collect(Data-source;-Collection)** Insert a Collection in a Datasource. All column names in Collection must be defined in the Datasource.

### Records & Tables

*A record* Set of data (or fields) related to a person, an animal or a thing. i.e. {name:"John";surname:"Doe";age:20}

*A table* A set of records {name:"John";surname:"Doe";age:20};{name:"Richard";surname:"Miles";age:19}

*A table with a single value* Table({name:"John"})

*A table with one record* Table({name:"John";surname:"Doe";age:20})

*A table with one column* Table({name:"John";name:"Richard";name:"Leonard"})

*A table with one column (Square Bracket Definition)* ["John";"Richard";"Leonard"]

### Records & Tables (cont)

A collection is an internal table datasource

ClearCollection(name;{name:"John";surname:"Doe";age:20};{name:"Richard";surname:"Miles";age:19})

External Datasource

**Column** *Is the reference to same field in one or more records. In a colum al the values are of the same data type*

### Screen Navigate Function

**Navigate**

**Back**

**Exit**

### Tables Operations

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### Functions

**Concepts** A function take one or many arguments and return a result. The functions applies to single values, columns, or tables.

\* Normally when applies to a single value i.e Lower either applies to a column



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