

## Exercise 7: Query Entities

### Create a Query

# Create Expression Rule

Create from scratch  Duplicate existing expression rule

Name \*

AX\_GetVehicleByID

Description

Devolver un vehículo por su número de identificación único

Save In \*

 AX Expressions ✕



[Create New Rule Folder](#)

CANCEL

CREATE

## Query Editor

Select Data Source

Record Type  Data Store Entity

Data Store Entity

 AX\_VEHICLE\_DSE ✕

Data Preview

vehicleid	vehiclemake	vehiclemodel	vehiclecolor	vehidecondition	vehiclegstatus	vehiclegcategory	vehiclegmileage	vehiclegyear	vehiclegvin
1	Ford	F150	Red	10	9	3	500	2019	2F2DE48C8N4309374
2	Lexus	ES350	Pearl	11	9	6	7000	2019	2L3ED45V3D4030403

Open the Learning Center to select a tutorial or video

CANCEL

CONTINUE

## Query Editor - AX\_VEHICLE\_DSE

RULE INPUTS

### ▼ Paging & Sorting

Basic  Expression

Show  All Rows  50 Rows Per Page

Sort By  In Ascending Order

### ▼ Filters

Basic  Expression

Ignore filters with empty values

Only records that meet all filter conditions will be returned. [Learn more about creating filters.](#)

Field	Condition	Value	Apply Filter
No filters created.			

CHANGE DATA STORE ENTITY CANCEL

GENERATE QUERY

## Rule Inputs and Test Values

Name	Type	Array	Expression	Value
vehicleid	<input checked="" type="checkbox"/> Number (Integer) <input type="checkbox"/> <input type="button" value="X"/>	<input type="checkbox"/>	<input type="text" value="1"/>	<input type="text"/>

Add New Rule Input

CANCEL

SAVE

## Query Editor - AX\_VEHICLE\_DSE

RULE INPUTS

### ▼ Paging & Sorting

Basic  Expression

Show  All Rows  1 Rows Per Page

Sort By  In Ascending Order

### ▼ Filters

Basic  Expression

Ignore filters with empty values

Only records that meet all filter conditions will be returned. [Learn more about creating filters.](#)

Field	Condition	Value	Apply Filter
<input checked="" type="checkbox"/> vehicleid <input type="button" value="X"/>	=	vehicleid - Number (Integer)	00 Always <input type="button" value="X"/>

Add Filter

### Fields

### Query Results Preview

ADD ALL REMOVE ALL  Fetch total row count

GROUP DATA TEST QUERY

VEHICLEID | VEHICLEID | VEHICLEMAKE | VEHICLEMODEL | VEHICLECOLOR | VEHICLECONDITION | VEHICLESTATUS | VEHICLECATEGORY | VEHICLEIMAGE | VEHICLEYEAR | VEHICLEVIN | VEHICLELAT

CHANGE DATA STORE ENTITY CANCEL

GENERATE QUERY

**AX\_GetVehicleByID**

Test Case (3)

**Test Inputs**

Rule Input Name	Expression	Value
vehicleid (Number (Integer))	1	1

Save as Test Case TEST RULE

**Test Output**

Time: 25 ms (View Performance) Type: Dataset

Value: Formatted Raw Expression

- Dataset
  - startIndex: 1 (Number (Integer))
  - batchSize: 1 (Number (Integer))
  - end: List of Datasets - 1 Item
    - Dataset
      - rule: "vehicleidreadthedata" (Text)
      - ascending: true (Boolean)
      - totalCount: 4 (Number (Integer))
      - data: List of Datasets - 1 Item
        - Dictionary
          - vehicleidreadthedata: 10/7/2021 (Date)
          - vehicleidreadtbody: "communityadobe" (Text)
          - vehicleidreadid: 542019 (Date)
          - vehicleidbody: "regina register" (Text)
          - vehicleimage: 864 (Number (Integer))
          - vehicleidreadtheadcolumns: 2/13/2018 (Date)
          - vehicleidreadtheadupdate: 8/8/2020 (Date)

```

</> AX_GetVehicleByID
1 a!queryEntity(
2   entity: cons!AX_VEHICLE_DSE,
3   query: a!query(
4     logicalExpression: a!queryLogicalExpression(
5       operator: "AND",
6       filters: {
7         a!queryFilter(
8           field: "vehicleid",
9           operator: "=",
10          value: ri!vehicleId
11        )
12      },
13      ignoreFiltersWithEmptyValues: true
14    ),
15    pagingInfo: a!pagingInfo(
16      startIndex: 1,
17      batchSize: 1
18    )
19  ),
20  fetchTotalCount: false
21 ).data
    
```

**AX\_GetVehicleByID**

Test Case (3)

**Test Inputs**

Rule Input Name	Expression	Value
vehicleid (Number (Integer))	1	1

Save as Test Case TEST RULE

**Test Output**

Time: 14 ms (View Performance) Type: List of Values

Value: Formatted Raw Expression

- List of Datasets - 1 Item
  - Dataset
    - vehicleidreadthead: 10/7/2021 (Date)
    - vehicleidreadtbody: "communityadobe" (Text)
    - vehicleidreadid: 542019 (Date)
    - vehicleidbody: "regina register" (Text)
    - vehicleimage: 2944 (Number (Integer))
    - vehicleidreadtheadcolumns: 8/18/2018 (Date)
    - vehicleidreadtheadupdate: 6/8/2020 (Date)
    - vehicleid: 22/206/400/84/30914" (Text)
    - vehicleid: 2019 (Number (Integer))
    - vehicleimage: 600 (Number (Integer))
    - vehicleidbody: 2 (Number (Integer))
    - vehicleidbody: 8 (Number (Integer))
    - vehicleidbody: 18 (Number (Integer))
    - vehicleidbody: "Bad" (Text)
    - vehicleidbody: "F150" (Text)
    - vehicleidbody: "Ford" (Text)
    - vehicleid: 1 (Number (Integer))