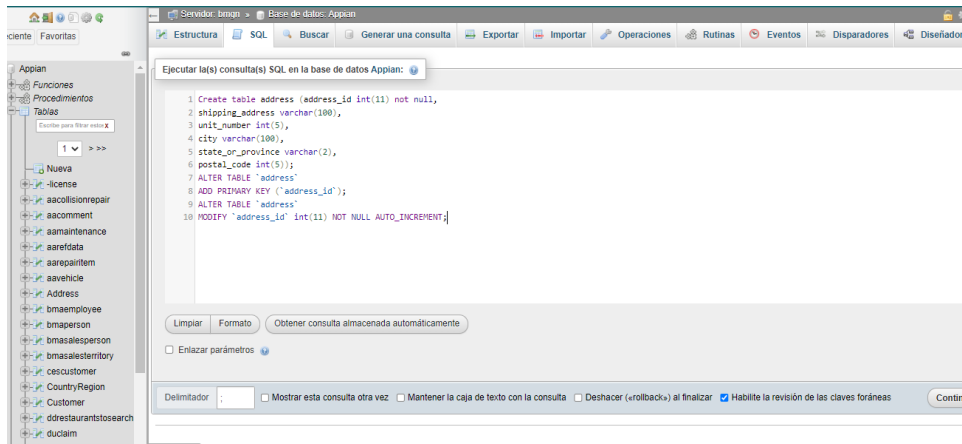


Exercise 01: Build a Dynamic List

Parte 1: crear los objetos de introducción



Opciones

	address_id	shipping_address	unit_number	city	state_or_province	postal_code
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	1	47 New Saddle Ave.	NULL	Goose Creek	SC	29445
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	2	7208 Oakland Drive	50	Ravenna	OH	44266
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	3	358 Mayfair Dr.	23	Lynn	MA	1902

Seleccionar todo Para los elementos que están marcados: Editar Copiar Borrar Exportar

Create Group

Name *

ADV All Users

Description

All users utilizing the ADV app.

Parent Group

Select a group

Group Members

Group Type

Custom

Visibility

Public (everyone)

Privacy Policy

Low (members can see each other)

CANCEL

CREATE

Create Data Type

- Create from scratch
- Duplicate existing data type
- Create from database table or view
- Import XSD

Data Source *

jdbc/Appian (Tomcat)

Table or View *

address

CANCEL

CONTINUE

Create Data Type

Namespace*
urn:com:appian:types:ADV
Formatted as a URI, for example 'urn:com:appian:types:COB' for a client onboarding application

Name*
ADV_Address

Description
CDT para Address

Column Name	Field Name	Column Type	Field Type	Key	Nulls	Unique			
address_id	addressId	INT	Number (Integer)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	↑	↓	×
shipping_address	shippingAddress	VARCHAR(100)	Text		<input checked="" type="checkbox"/>	<input type="checkbox"/>	↑	↓	×
unit_number	unitNumber	INT	Number (Integer)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	↑	↓	×
city	city	VARCHAR(100)	Text		<input checked="" type="checkbox"/>	<input type="checkbox"/>	↑	↓	×
state_or_province	stateOrProvince	VARCHAR(2)	Text		<input checked="" type="checkbox"/>	<input type="checkbox"/>	↑	↓	×
postal_code	postalCode	INT	Number (Integer)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	↑	↓	×

Also create a data store entry for this type (required to read from or write to the database)

GO BACK CANCEL

CREATE

Create Data Store

Name *

ADV_DS

Description

Data Store for the ADV app


Data Source *

jdbc/Appian (Tomcat)


CANCEL

CREATE

Review Data Store Security

 **Tip:** Basic users must have at least viewer rights to the data store in order to use its entities to query, write, or delete data. [Learn more](#)

Name

 ADV_DS

User or Group	Permission Level	
Default (All Other Users)	No Access	
ADV All Users	Viewer	✗
ADV All Administrators	Administrator	✗
+ Add Users or Groups		

SAVE

Name Type 

SAVE

CANCEL

Crear una constante y una expresión para consultar direcciones

Create Constant

ADV_DSE_ADDRESS

Description

Constant pointing the ADV_Address Entity in the ADV DS.

Type*

Data Store Entity

Array (multiple values)

Data Store*

ADV_DS

Entity*

address

Environment Specific ?

Different environments need to have different values for this constant

Save In*

ADV Constants

CANCEL

CREATE

Create Rule Folder

Name*

ADV Expression Rules

Description

Folder to store expressions for the ADV app

Parent

ADV All Rules & Constants

CANCEL

CREATE

Create Expression Rule

Create from scratch Duplicate existing expression rule

Name *

ADV_getAddresses

Description

Expression Rules

Save In *

ADV Expression Rules

Create New Rule Folder

CANCEL

CREATE

Name	Type	Array			
addressId	Number	<input type="checkbox"/>	↑	↓	×

The screenshot displays the Appian IDE interface for creating an expression rule. On the left, the rule's logic is defined in a query format. The right side of the interface is split into two main sections: 'Test Inputs' and 'Test Output'. The 'Test Inputs' section contains a table where the 'addressId' input is set to the value 1. Below this, there are sections for 'Local Variables' and 'Test Output'. The 'Test Output' section shows the result of the rule execution, which is a list of three address objects. Each object contains fields such as 'addressId', 'shippingAddress', 'unitNumber', 'city', 'stateOfProvince', and 'postalCode'. A 'Learning Center' tooltip is also visible in the bottom right corner of the IDE.

Parte 2: construya la interfaz con el componente dinámico

Create Interface

Create from scratch Duplicate existing interface

Name *

ADV_DynamicAddressList

Description

Interfaz dinamica

Save In *

ADV Interfaces

Create New Rule Folder

CANCEL

CREATE

New Rule Input

Name *

address

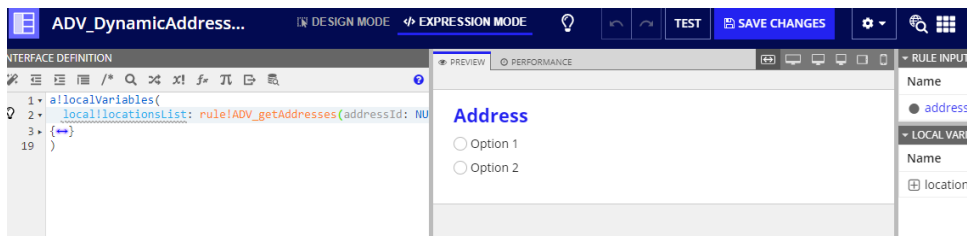
Type *

ADV_Address

Array (multiple values)

CANCEL

CREATE



▼ RULE INPUTS	
Name	Value
● address	null

▼ LOCAL VARIABLES	
Name	Value
☐ locationsList (3...	[[addressId=3, shi...
☐ [1]	[addressId=3, ship...
☐ [2]	[addressId=1, ship...
☐ [3]	[addressId=2, ship...

Configure las etiquetas y los valores para los botones de opción

The screenshot shows the 'INTERFACE DEFINITION' editor for a radio button field. The configuration includes a label 'Radio Buttons', a collapsed position, and a choice of values from a local variable 'locationsList'. The preview pane shows three radio button options with their respective labels and values.

```

6 contents: {
7   aRadioButton(
8     label: "Radio Buttons",
9     labelPosition: "COLLAPSED",
10    choiceLabels: local!locationsList,
11    choiceValues: local!locationsList,
12    saveInto: {},
13    choiceLayout: "STACKED",
14    validations: {}
15  )
16 }
17 )
18 }
19 )
  
```

Address

- [addressId=3, shippingAddress=358 Mayfair Dr., unitNumber=23, city=Lynn, stateOrProvince=MA, postalCode=1902]
- [addressId=1, shippingAddress=47 New Saddle Ave., unitNumber=, city=Goose Creek, stateOrProvince=SC, postalCode=29445]
- [addressId=2, shippingAddress=7208 Oakland Drive, unitNumber=50, city=Ravenna, stateOrProvince=OH, postalCode=44266]

The screenshot shows the 'INTERFACE DEFINITION' editor for a radio button field, now with a preview of the rendered form. The configuration includes a label 'Radio Buttons', a collapsed position, and a choice of values from a local variable 'locationsList'. The preview pane shows three radio button options with their respective labels and values.

```

1 aLocalVariables(
2   local!locationsList: rule!ADV_getAddresses(addressId:
3 {
4   aSectionLayout(
5     label: "Address",
6     contents: {
7       aRadioButton(
8         label: "Radio Buttons",
9         labelPosition: "COLLAPSED",
10        choiceLabels:
11          aForEach(
12            items: local!locationsList,
13            expression: fv!item.shippingAddress & " "
14            & " - " & fv!item.unitNumber, null, "Unit
15            & " " & fv!item.city & ", " & fv!item.stat
16            & fv!item.postalCode
17          ),
18        choiceValues: local!locationsList,
19        value: r!address,
20        saveInto: r!address,
21        choiceLayout: "STACKED",
22        validations: {}
23      )
24    }
25  )
  
```

Address

- 358 Mayfair Dr. Unit #23 Lynn, MA 1902
- 47 New Saddle Ave. Goose Creek, SC 29445
- 7208 Oakland Drive Unit #50 Ravenna, OH 44266

Name	Value
● address	[addressId=2, ship...

▼ LOCAL VARIABLES	
Name	Value
☐ locationsList (3...	[[addressId=3, shi...
☐ [1]	[addressId=3, ship...
☐ [2]	[addressId=1, ship...
☐ [3]	[addressId=2, ship...

● addressId	2
● shipping...	7208 Oakland Drive
● unitNum...	50
● city	Ravenna
● stateOrP...	OH
● postalCo...	44266