



Object

Relational

Data

Access



# Not only a language

```
$name:=ds.Employee.query("salary>10000")[0].firstname
```

# Form command

<b>Company Name</b>	<input type="text" value="Form.CompanyName"/>
<b>Last Name</b>	<input type="text" value="Form.LastName"/>
<b>First Name</b>	<input type="text" value="Form.FirstName"/>
<b>Address Line 1</b>	<input type="text" value="Form.AddressLine1"/>
<b>Address Line 2</b>	<input type="text" value="Form.AddressLine2"/>
<b>Zip Code</b>	<input type="text" value="Form.ZipCode"/>
<b>City</b>	<input type="text" value="Form.City"/>
<b>Country</b>	<input type="text" value="Form.Country"/>

```
C_LONGINT($window)
C_OBJECT($address)

$address:=New object
$address.CompanyName:="4D"
$address.LastName:="Dupont"
...

$window:=Open form window("AddressForm";Movable form dialog box)

// The form is opened with the $address object in parameter
// This allows modifying the $address object in the form with the Form
command
DIALOG("AddressForm";$address)
CLOSE WINDOW($window)
ALERT("New company name is:"+$address.CompanyName)
```

Dialog and \*

**Dialog(...; ...; \*)**

# List box and collection

Name	Birthday	Child	
<code>This.lastname+" "+This.firstname</code>	<code>This.birthday</code>	<code>This.child.length</code>	

# List box and collection

▼ Data Source	
Current item	selectedItem
Current item position	selectedPosition
Selected Items	selectedItems

### Step 1

Define the properties in the listbox

- \* Datasource: oExam.results
- \* Current item: categorySelected

### Step 3

Define the property for the input:

- \* Expression: testSelected.info

Info Example

Lastname: Colnago      Doctor: Kale LEMON  
Firstname: Emmerich      Exam date: January 4, 2018

Category	Test	Value	Unit	min	max
Metabolic	Albumin	8	g/dL	3,9	5
Lipoprotein	Aspartate aminotransferase (AST)	10	g/dL	3,9	5
Hematology	<b>Bilirubin</b>	<b>43</b>	<b>mg/L</b>	<b>10</b>	<b>19</b>
Immunology	Calcium	3	mg/dL	9	10,5
	<b>C-Reactive Protein (CRP)</b>	<b>14</b>	<b>mg</b>	<b>0</b>	<b>1</b>
	Chloride	2	mEq/L	98	106
	<b>Phosphorus</b>	<b>11</b>	<b>mg/dL</b>	<b>2,4</b>	<b>4,1</b>
	Plasma appearance	Clear			
	Potassium	2	mEq/L	3,7	5,2

**Chloride:**  
Faucibus tellus. In in dui at lectus vestibulum hendrerit. Phasellus luctus ex vitae tellus bibendum malesuada. Sed dapibus est blandit neque semper, eget maximus ante euismod. Nulla sagittis sem in mauris pharetra dignissim. Vestibulum et odio et mi consectetur dictum. Donec aliquet vestibulum augue, ut accumsan dolor egestas eu. Maecenas suscipit sem at velit mattis malesuada. Nullam a molestie mauris. Curabitur mollis justo eget consectetur interdum. In hendrerit ex vehicula convallis pulvinar. Vestibulum varius malesuada nisi a vulputate. Aenean condimentum sodales magna, a convallis augue malesuada ac.

### Step 2

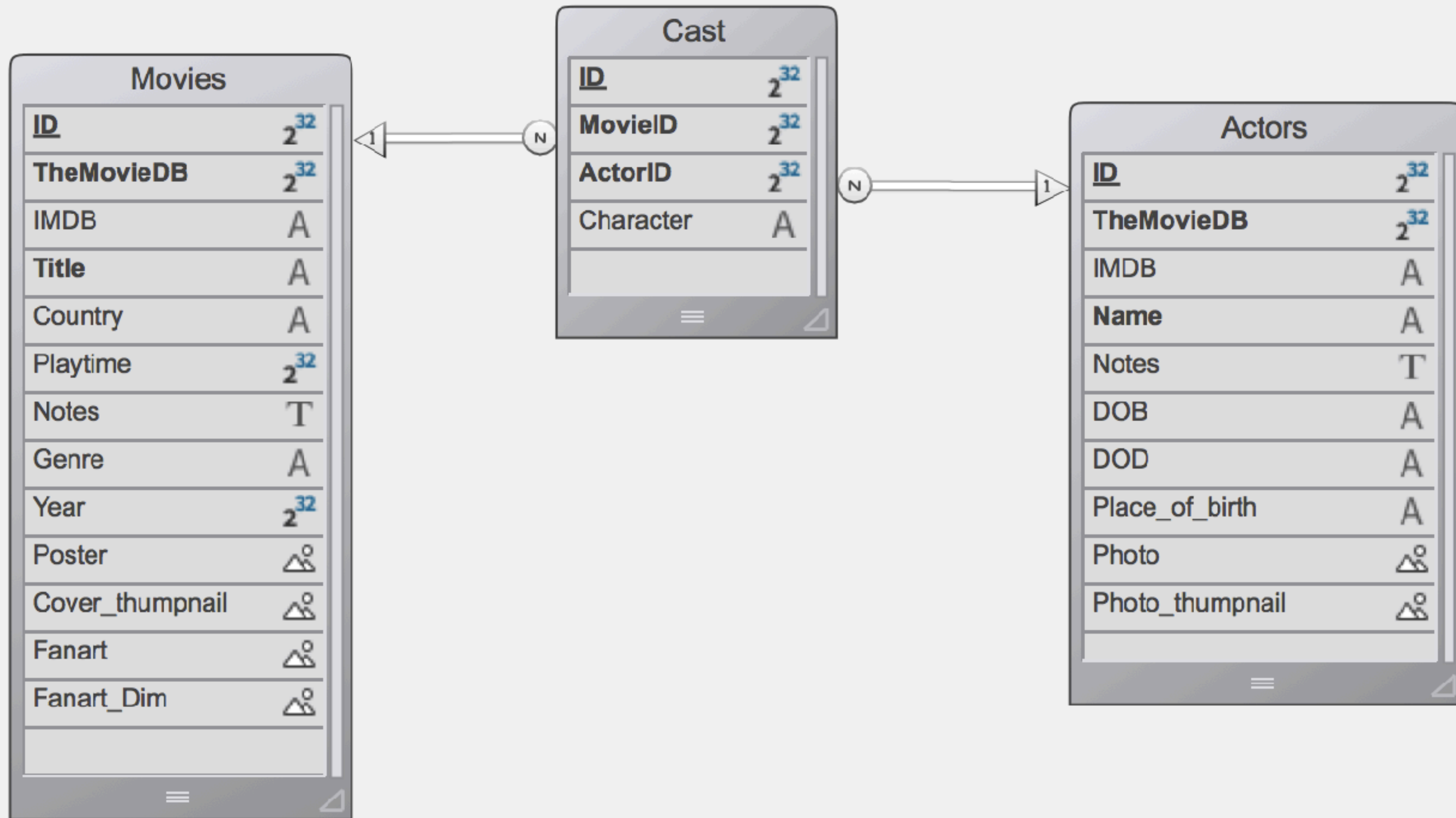
Define the properties in the second listbox:

- \* Datasource: categorySelected.test
- \* Current item: testSelected

```
{
  "lastname": "Beal",
  "firstname": "Estele",
  ...,
  "results": [{
    "category": "Metabolic",
    "test": [
      { "name": "Albumin", "value": ... },
      { "name": ... }
    ],
    {
      "category": "Lipoprotein",
      "test": [
        { "name": "HDL", "value": ... },
        { "name": ... }
      ],
      {...}
    ]
  }
}
```



# Example



# Movies

**Example provided has 10 movies.**

**To run full test, download more. This takes time!**

**You need an API key from TheMovieDB:**

**<https://developers.themoviedb.org/3/getting-started/introduction>**

**Then run method "LoadMovies".**

**It downloads the 100 most popular movies for today - this will take some hours.**

**(to respect terms of use, read <https://developers.themoviedb.org/3/getting-started/request-rate-limiting>)**

**If you have time, load 250 or 1000 to test speed of list box with entities.**

