QueryGraph - Help

To create a query you need to draw nodes and links.

The nodes represent data and the edges represent the connections between these data.

There are 3 types of nodes :

- Node **Element** :
    - Node representing a variable data with a predefined data type.
    - *Example : A person*
    - Properties :
        - Name : Name of the item displayed in the query result.
        - Label of the type : *[OPTIONAL]* Type label (informative).
        - URI of the type : *[OPTIONAL]* URI filtering the type of recovered data, if none is defined have recovered all possible data.

- Node **Data** :
    - Node corresponding to a fixed data.
    - *Example : city of Paris*
    - Properties :
        - Label : Label of the data to be displayed (informative).
        - URI : URI of the data (ex : wd:Q90 for Paris).

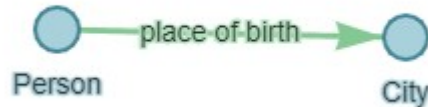- Node **Filter** :
    - Node to filter data.
    - *Example : Value equal to 5*
    - Properties :
        - Operators : Filter operator.
        - Type of values : Type of value (Number, Date ou Text).
        - Values : Target value (or list of values for IN filter).

There are 2 types of edges :

- Edges **Variable** :
  - Edge whose value is variable., i.e. the query will retrieve all possible links between the two nodes.
  - Properties:
    - Name : Name of the edge displayed in the query result.

- Edges **Fixed** :
  - Lien possédant une valeur fixe, i.e. the query will retrieve only links of this type.
  - *Example: place of birth*
  - Properties:
    - Label : Label of the data to be displayed (informative).
    - URI : URI of the edge (ex : wdt:P19 pour « place of birth »).

Example of a query for the recovery of persons born in Paris after 01/01/1950: :

First you need to create the node corresponding to a person, to do this use the action "Add node", place your node in the graph area, choose the predefined type "Person", then change the name property to "Person".

Element ⌄

Node representing a variable data with a predefined data type.

Predefined type :

⌄

Search :

[ ] OK

Name :

Person

Label of the type :

Person

URI of the type :

wd:Q5

☐ Retrieve subclasses

Link to the web page

OK

Person

You then have to create a node corresponding to the city of Paris, to do this use the "Add node" action, place your node in the graph area, choose the "Data" type, then in the search bar type "Paris" and press OK on the button next to the search bar. Choose the result corresponding to the city of Paris (Capital of France).

Person

Paris

Data

Node corresponding to a fixed data.
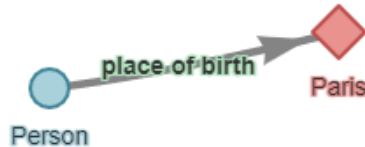
Search :

OK

Label :

Paris

URI :

wd:Q90

Link to the web page

OK

We will now create the edge between the people node and the city of Paris.

Select the person node, do the action "Add edge", click on the node of the city of Paris.

Select the edge you have just created, change the type to "Fixed" and in the "edge choice" property, choose "place of birth".

Fixed ⌄

Link with a fixed value.

edge choise :

⌄

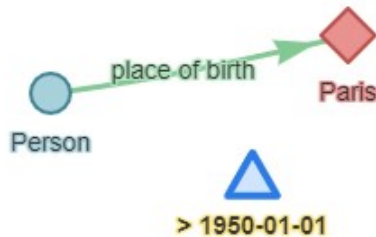Label :

place of birth

URI :

wdt:P19

Link to the web page

☐ Optional

OK

place of birth

Paris

Person

Then create the node to filter the date of birth after 01/01/1950.

To do this, create a new node of type filter :

- Choice of value type "Date".
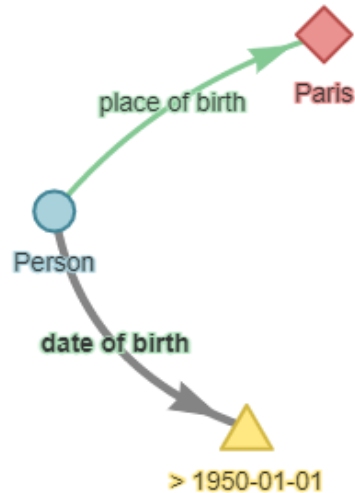
- Choice of operator   ">".

- Fill in the value with "01/01/1950".

We will create the edge between the people node and the birth date filter node.

Select the person node, do the "Add edge" action, click on the filter node.

- Select the link you just created. In the property "edge choice" choose "date of birth".

place of birth   Paris

Person

date of birth

> 1950-01-01

Fixed ▾

Link with a fixed value.

edge choise :

[▾]

Label :
[date of birth]
URI :
[wdt:P569]
Link to the web page
☐ Optional

[OK]