Exercise 2 worksheet

UNIVERSITY OF
Southampton

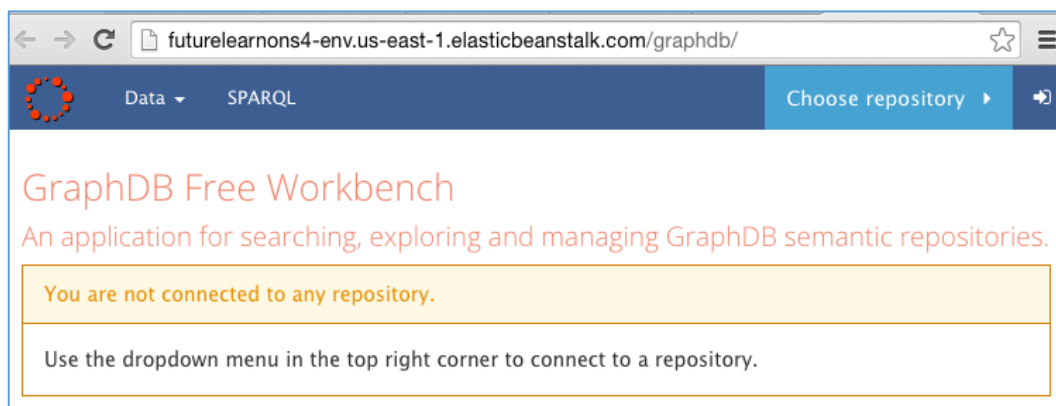## Using the interactive exercise to run SPARQL queries

The exercise will let you run queries on a SPARQL endpoint, which will allow you to try out the example queries in the course for yourself. You should try running each of the queries discussed in the course, and you will get the most out of the exercise by modifying the queries afterwards to apply the theory to new examples.

Accessing the Interactive Exercise

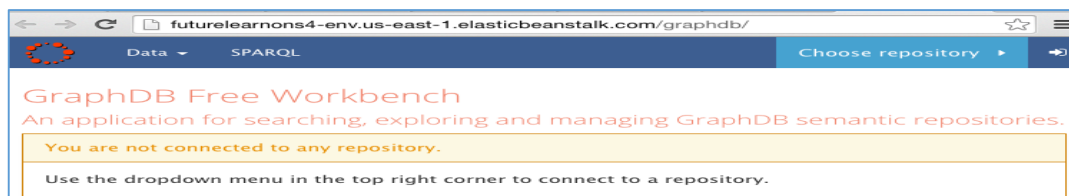To access the exercise, you will need to go to the Interactive Exercise.

First you will need to connect to a repository, so that you can access the data.
Select '**Choose repository**' at the top-right of the screen, and then select 'MusicBrainz' from the drop-down list.

Running SPARQL queries

To try out SPARQL queries on the MusicBrainz dataset, you then need to head to '**SPARQL**' on the menu at the top of the page:

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In the main 'Query' box, you can try typing SPARQL queries from scratch, based on what you've learned in the course, or copy and paste the example queries from the relevant step:
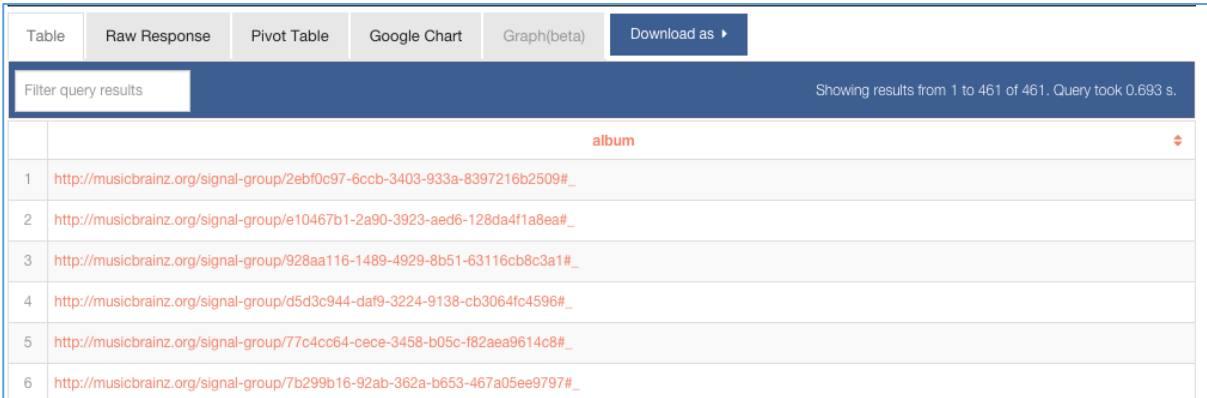
SPARQL Query & Update

Editor only | Editor and results | Results only

Unnamed +

```
1  PREFIX dbpedia: <http://dbpedia.org/resource/>
2  PREFIX foaf: <http://xmlns.com/foaf/0.1/>
3  PREFIX mo: <http://purl.org/ontology/mo/>
4
5  SELECT ?album
6 ▾ WHERE { dbpedia:The_Beatles foaf:made ?album .
7          ?album a mo:SignalGroup
8         }
```

Run

Click '**Run**' to execute the query, and then you'll be presented with the results after it runs.

The query results are displayed beneath the query text box:

Table	Raw Response	Pivot Table	Google Chart	Graph(beta)	Download as ▸

Filter query results | Showing results from 1 to 461 of 461. Query took 0.693 s.

	album
1	http://musicbrainz.org/signal-group/2ebf0c97-6ccb-3403-933a-8397216b2509#_
2	http://musicbrainz.org/signal-group/e10467b1-2a90-3923-aed6-128da4f1a8ea#_
3	http://musicbrainz.org/signal-group/928aa116-1489-4929-8b51-63116cb8c3a1#_
4	http://musicbrainz.org/signal-group/d5d3c944-daf9-3224-9138-cb3064fc4596#_
5	http://musicbrainz.org/signal-group/77c4cc64-cece-3458-b05c-f82aea9614c8#_
6	http://musicbrainz.org/signal-group/7b299b16-92ab-362a-b653-467a05ee9797#_