

# Wikidata querying demo

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The following are demonstrations of how Wikidata can be queried using the External Data extension.

## Individual entry

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SPARQL query:

```
| SELECT ?item ?itemLabel ?symbol ?atomicNumber ( YEAR( ?discoveryDate ) AS ?discoveryYear ) ?discoverer
| ?discovererLabel
| WHERE {
|   VALUES ?item { wd:Q654 } .
|   ?item wdt:P246 ?symbol .
|   ?item wdt:P1086 ?atomicNumber .
|   ?item wdt:P575 ?discoveryDate .
|   ?item wdt:P61 ?discoverer
|   SERVICE wikibase:label { bd:serviceParam wikibase:language "en". }
| }
```

Info for **Q654**:

- Name: neon
- Symbol: Ne
- Atomic number: 10
- Year discovered: 1898
- Discoverers: Morris Travers, William Ramsay,

## Full query





















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All paintings that depict a squirrel.

SPARQL query:

```
| SELECT DISTINCT ?painting ?paintingLabel ?creator ?creatorLabel ( YEAR( ?inception ) as ?year ) ?genre
| ?genreLabel ( SUBSTR( ?str_image, 52 ) AS ?fileName )
| WHERE
| {
|   ?painting wdt:P180 wd:Q9482 .
|   ?painting wdt:P170 ?creator .
|   ?painting wdt:P571 ?inception .
|   ?painting wdt:P136 ?genre .
|   ?painting wdt:P18 ?image .
|   BIND (STR(?image) AS ?str_image)
|   SERVICE wikibase:label { bd:serviceParam wikibase:language "en". }
| }
| ORDER BY ?paintingLabel
|
```

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Name	Artist	Year	Genre	Image
Q111135100	Willy Blees	1967	public art	
Animals.	Ernst Wilhelm Bernhardt	1708	animal art	
Basket of red and green grapes with fruits of the hunt, including a goldfinch	Clara Peeters	1640	still life	
Forest still life with squirrel	Anna Ruysch	1685	still life	
Forest still life with squirrel	Anna Ruysch	1685	still life	
Fruit bowl, basket, vegetables and a squirrel	Gommaert van der Gracht	1645	still life	
Fruit bowl, basket, vegetables and a squirrel	Gommaert van der Gracht	1645	landscape art	
Fruit still life with goldfinch and squirrel	Abraham Mignon	1668	still life	
Fruits, Carnation and Squirrel	Frans Snyders	1611	still life	
Genoveva-Brunnen	Hermann Hosaeus	1928	public art	
Order of the Cub Scout	Tom Frantzen	1994	public art	
Peter Pan	George Frampton	1924	public art	
Pomona in a fruit garland and surrounded by animals	Gommaert van der Gracht	1645	still life	
Squirrels with Stag Horn	Therese Richter	1809	still life	
Squirrels with Stag Horn	Therese Richter	1809	animal art	
Still Life of Fruit, a Lobster, Cheeses and Drinking Vessels with a Parrot and a Squirrel on a Table	Artus Claessens	1650	still life	
Still Life with Fruit and a Squirrel	Catharina Treu	1780	still life	
Still life with a basket of fruit, vegetables and a squirrel	Abraham Gibbens	1635	still life	
Still-Life with a Basket of Fruit, a Squirrel, and a Cat	Frans Snyders	1639	still life	
Two Squirrels	Albrecht Dürer	1512	animal art	

# Map display

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Map of all buildings in Spain with Baroque architecture.

SPARQL query:

```
| SELECT ?item ?itemLabel ?lon ?lat
| WHERE
| {
|   ?item wdt:P31 wd:Q41176. # type = building
|   ?item wdt:P17 wd:Q29. # country = Spain
|   ?item wdt:P149 wd:Q37853. # architecture = Baroque
|   ?item p:P625 ?coordinate.
|   ?coordinate psv:P625 ?coordinate_node.
|   ?coordinate_node wikibase:geoLongitude ?lon.
|   ?coordinate_node wikibase:geoLatitude ?lat.
|   SERVICE wikibase:label { bd:serviceParam wikibase:language "en". }
| }
```

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