

# Load Ontology

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQWRLTab x SPARQL Query x SNAP SPARQL x

**Ontology header:**

**Ontology IRI** https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/  
**Ontology Version IRI** https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0

**Annotations**

rdfs:label  
Find a Pet - Dog Breeds Individuals Ontology

dcterms:license [type: xsd:anyURI]  
<http://opensource.org/licenses/MIT>

copyright  
Copyright (c) 2022 Ashley Choi, Debjani Ray-Majumder, Danielle Villa

dcterms:abstract  
This is the data used with the find-a-pet ontology. It only a small amount of breeds recognized by the American Kennel Club, though data on those breeds comes from a variety of sources. This ontology is used for testing purposes due to its faster reasoning and query time.

dcterms:creator  
Ashley Choi

dcterms:creator  
Danielle Villa: <https://tw.rpi.edu/person/danielle-villa>

dcterms:creator

**Ontology metrics:**

**Metrics**

Axiom	5734
Logical axiom count	2161
Declaration axioms count	847
Class count	248
Object property count	214
Data property count	79
Individual count	252
Annotation Property count	56

**Class axioms**

SubClassOf	398
EquivalentClasses	29
DisjointClasses	18
GCI count	0
Hidden GCI Count	29

**Object property axioms**

SubObjectPropertyOf	132
EquivalentObjectProperties	0
InverseObjectProperties	64
DisjointObjectProperties	2
FunctionalObjectProperty	4

**Imported ontologies:**

**Direct Imports**

- <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>  
find-a-pet  
Ontology IRI: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>  
Version IRI: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/8.0>  
Location: C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet.rdf
- <https://www.omg.org/spec/Commons/AnnotationVocabulary/>  
AnnotationVocabulary  
Ontology IRI: <https://www.omg.org/spec/Commons/AnnotationVocabulary/>  
Version IRI: <https://www.omg.org/spec/Commons/20220801/AnnotationVocabulary/>  
Location: C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\commons\AnnotationVocabulary.rdf
- <https://www.oma.org/spec/Commons/Classifiers/>

Git: dog-breed-ontology To use the reasoner click Reasoner > Start reasoner Show Inferences

Load the small individuals ontology into your triple store of choice (as long as it can use SNAP SPARQL), we use Protégé

# Run Reasoner

The screenshot shows the Protege software interface. The 'Reasoner' menu is open, highlighting 'Start reasoner' (Ctrl+R). The 'Ontology metrics' panel on the right displays the following data:

Metrics	
Axiom	5734
Logical axiom count	2161
Declaration axioms count	847
Class count	248
Object property count	214
Data property count	79
Individual count	252
Annotation Property count	56
Class axioms	
SubClassOf	398
EquivalentClasses	29
DisjointClasses	18
GCI count	0
Hidden GCI Count	29
Object property axioms	
SubObjectPropertyOf	132
EquivalentObjectProperties	0
InverseObjectProperties	64
DisjointObjectProperties	2
FunctionalObjectProperty	4

The 'Imported ontologies' panel shows the following direct imports:

- <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>  
find-a-pet  
Ontology IRI: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>  
Version IRI: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/8.0>  
Location: C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet.rdf
- <https://www.omg.org/spec/Commons/AnnotationVocabulary/>  
AnnotationVocabulary  
Ontology IRI: <https://www.omg.org/spec/Commons/AnnotationVocabulary/>  
Version IRI: <https://www.omg.org/spec/Commons/20220801/AnnotationVocabulary/>  
Location: C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\2022\Commons\AnnotationVocabulary.rdf
- <https://www.oma.org/spec/Commons/Classifiers/>

Run your reasoner of choice over the ontology. We used Pellet and it took ~20 min.

# Use SNAP SPARQL

The screenshot shows the Protege software interface. At the top, the title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0). The menu bar includes File, Edit, View, Reasoner, Tools, Refactor, Window, and Help. The address bar shows the URL: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0). The main workspace is divided into several panes:

- Ontology header:** Displays the Ontology IRI (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/) and the Ontology Version IRI (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0).
- Annotations:** Lists various annotations for the ontology, including rdfs:label (Find a Pet - Dog Breeds Individuals Ontology), dcterms:license (http://opensource.org/licenses/MIT), copyright (Copyright (c) 2022 Ashley Choi, Debjani Ray-Majumder, Danielle Villa), dcterms:abstract (This is the data used with the find-a-pet ontology. It only a small amount of breeds recognized by the American Kennel Club, though data on those breeds comes from a variety of sources. This ontology is used for testing purposes due to its faster reasoning and query time.), dcterms:creator (Ashley Choi, Danielle Villa), and dcterms:creator (Danielle Villa).
- Ontology metrics:** A table showing various metrics for the ontology:

Metric	Count
Axiom	5734
Logical axiom count	2161
Declaration axioms count	847
Class count	248
Object property count	214
Data property count	79
Individual count	252
Annotation Property count	56
- Class axioms:** A table showing class axioms:

Axiom	Count
SubClassOf	398
EquivalentClasses	29
DisjointClasses	18
GCI count	0
Hidden GCI Count	29
- Object property axioms:** A table showing object property axioms:

Axiom	Count
SubObjectPropertyOf	132
EquivalentObjectProperties	0
InverseObjectProperties	64
DisjointObjectProperties	2
FunctionalObjectProperty	4
- Imported ontologies:** Lists direct imports, including find-a-pet, AnnotationVocabulary, and Classifiers.

At the bottom right, the Reasoner active checkbox is checked, and the Show Inferences checkbox is also checked.

Open SNAP SPARQL

# Use SNAP SPARQL

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQWRLTab x SPARQL Query x SNAP SPARQL x

Snap SPARQL Query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
SELECT ?subject ?object
WHERE { ?subject rdfs:subClassOf ?object }
```

Execute

?subject	?object
----------	---------

0 results

Git: dog-breed-ontology Reasoner active  Show Inferences

# Query 1

The screenshot shows a web-based SPARQL query editor. The query is as follows:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX cmns-cl: <https://www.omg.org/spec/Commons/Classifiers/>
PREFIX cmns-rt: <https://www.omg.org/spec/Commons/Ratings/>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?childfriendlinesslevel ?exerciseneedslevel
WHERE {
  ?breed a oe2022-dogs:GoodForChildrenBreed;
        rdfs:label ?label.
  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
        cmns-cl:characterizes ?breed;
        oe2022-dogs:displaysChildFriendlinessLevel ?childfriendlinesslevel;
        oe2022-dogs:displaysExerciseNeedsLevel ?exerciseneedslevel.
  ?popularityRating a oe2022-dogs:BreedPopularityRating;
        cmns-rt:rates ?breed;
        cmns-rt:hasRatingScore ?ratingScore.
  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
ORDER BY ?popularityQuantitativeScore
```

Below the query editor, there is an "Execute" button and a table with two columns: "?subject" and "?object". The table is currently empty, and the status at the bottom indicates "0 results".

Enter the first query

# Execute

The screenshot shows a web-based SPARQL query editor. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a search bar, and a tabbed editor for the SPARQL query.

```
Active ontology x Entities x Individuals by class x DL Query x SQWRLTab x SPARQL Query x SNAP SPARQL x
```

Snap SPARQL Query:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX cmns-cl: <https://www.omg.org/spec/Commons/Classifiers/>
PREFIX cmns-rt: <https://www.omg.org/spec/Commons/Ratings/>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?childfriendlinesslevel ?exerciseneedslevel
WHERE {
  ?breed a oe2022-dogs:GoodForChildrenBreed;
        rdfs:label ?label.
  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
               cmns-cl:characterizes ?breed;
               oe2022-dogs:displaysChildFriendlinessLevel ?childfriendlinesslevel;
               oe2022-dogs:displaysExerciseNeedsLevel ?exerciseneedslevel.
  ?popularityRating a oe2022-dogs:BreedPopularityRating;
                   cmns-rt:rates ?breed;
                   cmns-rt:hasRatingScore ?ratingScore.
  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
ORDER BY ?popularityQuantitativeScore
```

Execute

?subject	?object
----------	---------

0 results

Git: dog-breed-ontology Reasoner active Show Inferences

# Results

The screenshot shows a SPARQL query execution interface. The query is as follows:

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX cmns-ds: <https://www.omg.org/spec/Commons/Classifiers/>
PREFIX cmns-rt: <https://www.omg.org/spec/Commons/Ratings/>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?childfriendlinesslevel ?exerciseneedslevel
WHERE {
  ?breed a oe2022-dogs:GoodForChildrenBreed;
    rdfs:label ?label.
  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
    cmns-ds:characterizes ?breed;
    oe2022-dogs:displaysChildFriendlinessLevel ?childfriendlinesslevel;
    oe2022-dogs:displaysExerciseNeedsLevel ?exerciseneedslevel.
  ?popularityRating a oe2022-dogs:BreedPopularityRating;
    cmns-rt:rates ?breed;
    cmns-rt:hasRatingScore ?ratingScore.
  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
ORDER BY ?popularityQuantitativeScore
```

The results table is as follows:

?label	?popularityQuantitativeScore	?childfriendlinesslevel	?exerciseneedslevel
labrador retriever	1.0	1.0	1.0
golden retriever	3.0	1.0	1.0
german shepherd dog	4.0	1.0	0.6
great dane	17.0	0.6	0.4
pomeranian	24.0	0.2	0.4
border collie	31.0	1.0	1.0
english cocker spaniel	43.0	1.0	0.8
australian cattle dog	51.0	1.0	1.0
saint bernard	53.0	1.0	0.4
japanese chin	105.0	0.4	0.2
greyhound	132.0	1.0	0.4
icelandic sheepdog	138.0	1.0	0.6
australian terrier	152.0	0.8	0.6

14 results

Git: dog-breed-ontology Reasoner active Show Inferences

Shown are the expected results

# Query 2

The screenshot shows a web-based SPARQL query editor. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a search bar, and a tabbed interface with tabs for 'Active ontology', 'Entities', 'Individuals by class', 'DL Query', 'SQWRLTab', 'SPARQL Query', and 'SNAP SPARQL'. The 'SNAP SPARQL' tab is active, displaying a SPARQL query:

```
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel ?rating
where {
  oe2022-dogs-ind:Question2Student a oe2022-dogs:Student ;
  cmns-pts:playsRole ?adopter .
  ?adopter a oe2022-dogs:PotentialAdopter ;
  oe2022-dogs:primarilyResidesAt ?residence .
  ?residence a oe2022-dogs:Residence ;
  cmns-cols:comprises ?space .
  ?space a oe2022-dogs:ApartmentIndoorSpace .

  ?breed a oe2022-dogs:LowMaintenanceBreed ;
  a oe2022-dogs:LowExpenseBreed ;
  a oe2022-dogs:ApartmentFriendlyBreed ;
  rdfs:label ?breedLabel .

  ?popularityRating a oe2022-dogs:BreedPopularityRating ;
  cmns-rt:rates ?breed ;
  cmns-rt:hasRatingScore ?ratingScore .
  ?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}
order by ?rating
```

Below the query is an 'Execute' button. The results area shows a table with two columns: '?breedLabel' and '?rating'. The table is currently empty, and the status at the bottom left indicates '0 results'. At the bottom right, there are status indicators: 'Reasoner active', 'Show Inferences' (checked), and a warning icon.

Enter the second query




# Execute

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQWRLTab x SPARQL Query x SNAP SPARQL x

Snap SPARQL Query: 

```
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel ?rating
where {
  oe2022-dogs-ind:Question2Student a oe2022-dogs:Student ;
  cmns-pts:playsRole ?adopter .
  ?adopter a oe2022-dogs:PotentialAdopter ;
  oe2022-dogs:primarilyResidesAt ?residence .
  ?residence a oe2022-dogs:Residence ;
  cmns-cols:comprises ?space .
  ?space a oe2022-dogs:ApartmentIndoorSpace .


  ?breed a oe2022-dogs:LowMaintenanceBreed ;
  a oe2022-dogs:LowExpenseBreed ;
  a oe2022-dogs:ApartmentFriendlyBreed ;
  rdfs:label ?breedLabel .

  ?popularityRating a oe2022-dogs:BreedPopularityRating ;
  cmns-rt:rates ?breed ;
  cmns-rt:hasRatingScore ?ratingScore .
  ?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}
order by ?rating
```

Execute

?breedLabel	?rating
-------------	---------

0 results

Git: dog-breed-ontology Reasoner active  Show Inferences 

# Results

The screenshot shows a SPARQL query editor window. The query is as follows:

```
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel ?rating
where {
  oe2022-dogs-ind:Question2Student a oe2022-dogs:Student ;
  cmns-pts:playsRole ?adopter .
  ?adopter a oe2022-dogs:PotentialAdopter ;
  oe2022-dogs:primarilyResidesAt ?residence .
  ?residence a oe2022-dogs:Residence ;
  cmns-cols:comprises ?space .
  ?space a oe2022-dogs:ApartmentIndoorSpace .

  ?breed a oe2022-dogs:LowMaintenanceBreed ;
  a oe2022-dogs:LowExpenseBreed ;
  a oe2022-dogs:ApartmentFriendlyBreed ;
  rdfs:label ?breedLabel .

  ?popularityRating a oe2022-dogs:BreedPopularityRating ;
  cmns-rt:rates ?breed ;
  cmns-rt:hasRatingScore ?ratingScore .
  ?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}
order by ?rating
```

The results table shows one result:

?breedLabel	?rating
japanese chin	105.0

1 results  
Git: dog-breed-ontology Reasoner active Show Inferences

Shown are the expected results

# Query 3

The screenshot shows a SPARQL query editor window. The title bar indicates the file path: `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]`. The menu bar includes `File Edit View Reasoner Tools Refactor Window Help`. The address bar shows the URL `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0)` and a search field. The main editor area contains the following SPARQL query:

```
?zone oe2022-dogs:isHotterClimateZoneThan oe2022-dogs:ClimateZone5 .

?breed a oe2022-dogs:HotClimateAppropriateBreed ;
a oe2022-dogs:TrainableBreed ;
a oe2022-dogs:HighExerciseNeedingBreed ;
a oe2022-dogs:DogFriendlyBreed ;
a oe2022-dogs:CatFriendlyBreed ;
rdfs:label ?breedLabel .

?profile a oe2022-dogs:BreedCharacteristicProfile;
cmns-cl:characterizes ?breed;
prov:wasAttributedTo ?source ;
oe2022-dogs:displaysBarkingLevel ?barkingLevel .

?source rdfs:label ?barkingLevelSource .

?popularityRating a oe2022-dogs:BreedPopularityRating ;
cmns-rt:rates ?breed ;
cmns-rt:hasRatingScore ?ratingScore .
?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}
```

Below the query is an `Execute` button. The results area shows two columns: `?breedLabel` and `?rating`. The results area is currently empty, displaying `0 results`. The status bar at the bottom indicates `Git: dog-breed-ontology`, `Reasoner active`, and `Show Inferences` (checked).

Enter the third query


# Execute

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQRWRLTab x SPARQL Query x SNAP SPARQL x

Snap SPARQL Query: 

```
?zone oe2022-dogs:isHotterClimateZoneThan oe2022-dogs:ClimateZone5 .

?breed a oe2022-dogs:HotClimateAppropriateBreed ;
a oe2022-dogs:TrainableBreed ;
a oe2022-dogs:HighExerciseNeedingBreed ;
a oe2022-dogs:DogFriendlyBreed ;
a oe2022-dogs:CatFriendlyBreed ;
rdfs:label ?breedLabel .

?profile a oe2022-dogs:BreedCharacteristicProfile;
cmns-cls:characterizes ?breed;
prov:wasAttributedTo ?source ;
oe2022-dogs:displaysBarkingLevel ?barkingLevel .


?source rdfs:label ?barkingLevelSource .

?popularityRating a oe2022-dogs:BreedPopularityRating ;
cmns-rt:rates ?breed ;
cmns-rt:hasRatingScore ?ratingScore .
?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}
order by ?barkingLevel ?rating
```

Execute

?breedLabel	?rating
-------------	---------

0 results

Git: dog-breed-ontology Reasoner active  Show Inferences 

# Results

The screenshot shows a SPARQL query execution interface. The query is as follows:

```
?zone oe2022-dogs:isHotterClimateZoneThan oe2022-dogs:ClimateZone5 .

?breed a oe2022-dogs:HotClimateAppropriateBreed ;
a oe2022-dogs:TrainableBreed ;
a oe2022-dogs:HighExerciseNeedingBreed ;
a oe2022-dogs:DogFriendlyBreed ;
a oe2022-dogs:CatFriendlyBreed ;
rdfs:label ?breedLabel .

?profile a oe2022-dogs:BreedCharacteristicProfile;
cmns-cl:characterizes ?breed;
prov:wasAttributedTo ?source ;
oe2022-dogs:displaysBarkingLevel ?barkingLevel .

?source rdfs:label ?barkingLevelSource .

?popularityRating a oe2022-dogs:BreedPopularityRating ;
cmns-rt:rates ?breed ;
cmns-rt:hasRatingScore ?ratingScore .
?ratingScore cmns-rt:hasMeasureWithinScale ?rating .
}

order by ?barkingLevel ?rating
```

The results table is highlighted with a green border and contains the following data:

?breedLabel	?barkingLevel	?barkingLevelSource	?rating
australian cattle dog	0.2	The American Kennel Club	51.0
australian cattle dog	0.8	VetStreet	51.0

2 results

Git: dog-breed-ontology Reasoner active Show Inferences

Shown are the expected results

# Query 4

The screenshot shows a SPARQL query editor window. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The menu bar includes File, Edit, View, Reasoner, Tools, Refactor, Window, and Help. The address bar shows the URL: https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0. The main area contains a SPARQL query:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
PREFIX cmns-col: <https://www.omg.org/spec/Commons/Collections/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren ;
  oe2022-dogs:ownsPet ?dog ;
  oe2022-dogs:ownsPet ?cat .
  ?dog a oe2022-dogs:Dog .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  a oe2022-dogs:DogFriendlyBreed ;
  a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an "Execute" button. The result table has the following headers:

?breedLabel	?barkingLevel	?barkingLevelSource	?rating
0 results			

At the bottom, it shows "Git: dog-breed-ontology", "Reasoner active", and "Show Inferences" (checked).

Enter the fourth query

# Execute

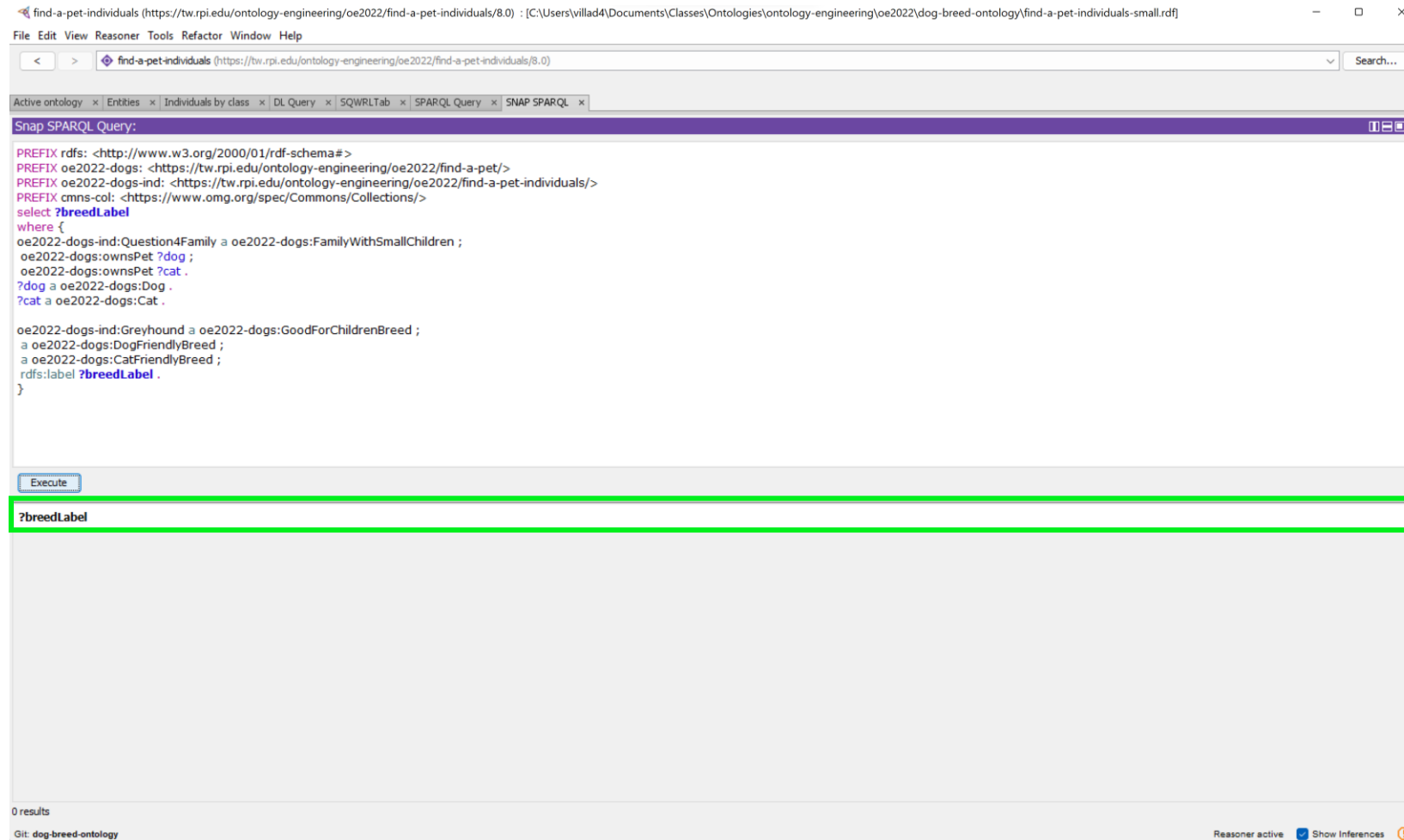
The screenshot shows a web-based SPARQL query editor. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a search bar, and a tabbed interface with tabs for 'Active ontology', 'Entities', 'Individuals by class', 'DL Query', 'SQWRLTab', 'SPARQL Query', and 'SNAP SPARQL'. The main area displays a SPARQL query:

```
SNAP SPARQL Query:
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
PREFIX cmns-col: <https://www.omg.org/spec/Commons/Collections/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren ;
  oe2022-dogs:ownsPet ?dog ;
  oe2022-dogs:ownsPet ?cat .
  ?dog a oe2022-dogs:Dog .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  a oe2022-dogs:DogFriendlyBreed ;
  a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an 'Execute' button. Underneath, a table is defined with four columns: '?breedLabel', '?barkingLevel', '?barkingLevelSource', and '?rating'. The table is currently empty, showing '0 results' at the bottom left. The bottom right corner indicates 'Reasoner active' and 'Show Inferences'.

# Results



The screenshot shows a SPARQL query editor window. The title bar indicates the file path: `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]`. The menu bar includes `File Edit View Reasoner Tools Refactor Window Help`. The address bar shows the URL `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0)`. The query editor contains the following SPARQL query:

```
Snap SPARQL Query:
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
PREFIX cmns-col: <https://www.omg.org/spec/Commons/Collections/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren ;
  oe2022-dogs:ownsPet ?dog ;
  oe2022-dogs:ownsPet ?cat .
  ?dog a oe2022-dogs:Dog .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  a oe2022-dogs:DogFriendlyBreed ;
  a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an `Execute` button. The results area shows a single column header `?breedLabel` with no data rows. At the bottom left, it says `0 results`. At the bottom right, it says `Reasoner active` and `Show Inferences` is checked.

Shown are the expected results, since a greyhound is not a good fit nothing is returned



# Alternate Query 4.1

The screenshot shows a SPARQL query editor window. The title bar indicates the file path: `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0)`. The menu bar includes `File Edit View Reasoner Tools Refactor Window Help`. The address bar shows the URL: `https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0`. The main area displays the following SPARQL query:

```
Prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>
Prefix oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
Prefix oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren .
  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an `Execute` button. The results area shows the variable `?breedLabel` and displays `0 results`. The status bar at the bottom indicates `Git: dog-breed-ontology`, `Reasoner active`, and a `Show Inferences` checkbox.

Enter the first part of the alternate to the fourth query

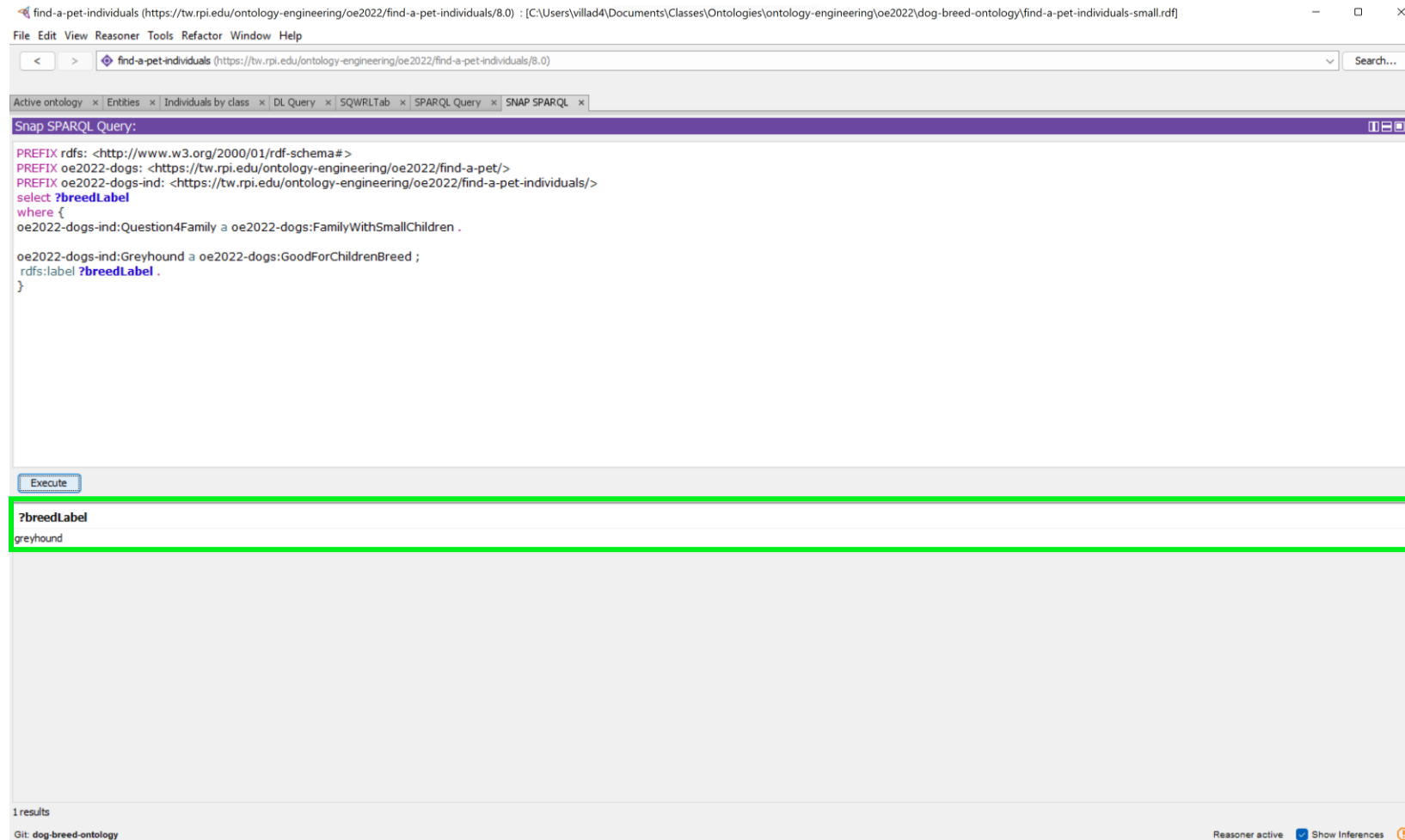
# Execute

The screenshot shows a web-based SPARQL query editor. The title bar indicates the file path: `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0)`. The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help) and a search bar. The main area contains a SPARQL query:

```
Snap SPARQL Query:
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren .
  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is a button labeled "Execute". The results area below the button is empty, displaying "0 results". The bottom status bar shows "Git: dog-breed-ontology", "Reasoner active", and a "Show Inferences" checkbox.

# Results



The screenshot shows a web-based SPARQL query editor. The query is as follows:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family a oe2022-dogs:FamilyWithSmallChildren .
  oe2022-dogs-ind:Greyhound a oe2022-dogs:GoodForChildrenBreed ;
  rdfs:label ?breedLabel .
}
```

The results section shows a single result for the variable `?breedLabel`:

?breedLabel
greyhound

The interface also includes an "Execute" button and a status bar at the bottom indicating "1 results" and "Git: dog-breed-ontology".

Shown are the expected results, since greyhound is a breed that is good for children

# Alternate Query 4.2

The screenshot shows a SPARQL query editor window. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The menu bar includes File, Edit, View, Reasoner, Tools, Refactor, Window, and Help. The address bar shows the URL: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0). The tabs include Active ontology, Entities, Individuals by class, DL Query, SQRWRLTab, SPARQL Query, and SNAP SPARQL. The main area is titled "Snap SPARQL Query:" and contains the following query:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?cat .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an "Execute" button. The results area shows the variable "?breedLabel" and is currently empty. At the bottom, it displays "0 results" and "Git: dog-breed-ontology". The status bar at the bottom right indicates "Reasoner active" and "Show Inferences" is checked.

Enter the second part of the alternate to the fourth query

# Execute

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQRWRLTab x SPARQL Query x SNAP SPARQL x

Snap SPARQL Query:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?cat .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

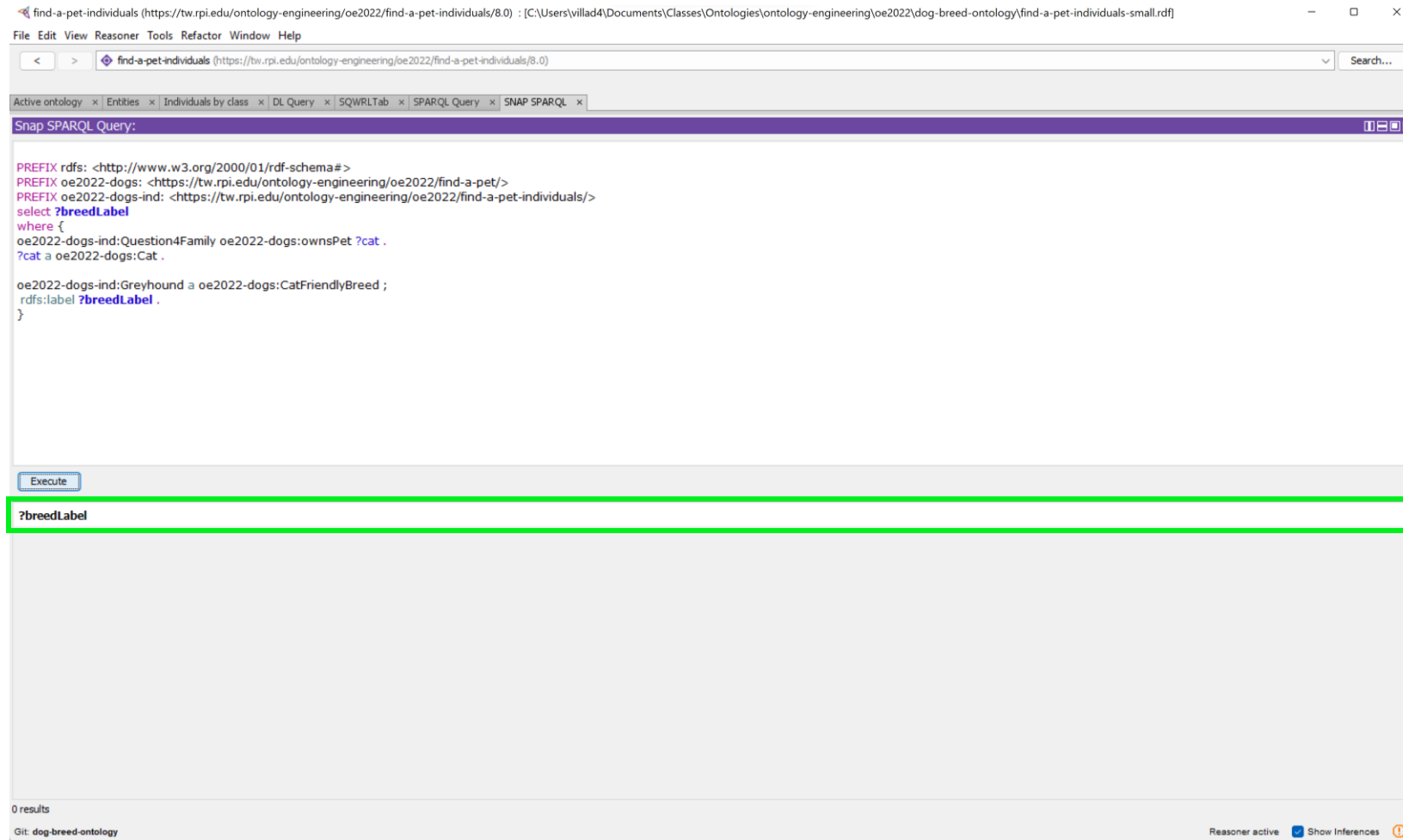
Execute

?breedLabel

0 results

Git: dog-breed-ontology Reasoner active Show Inferences

# Results



The screenshot shows a web-based SPARQL query editor interface. The title bar indicates the file path: `find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0)`. The main area contains a SPARQL query:

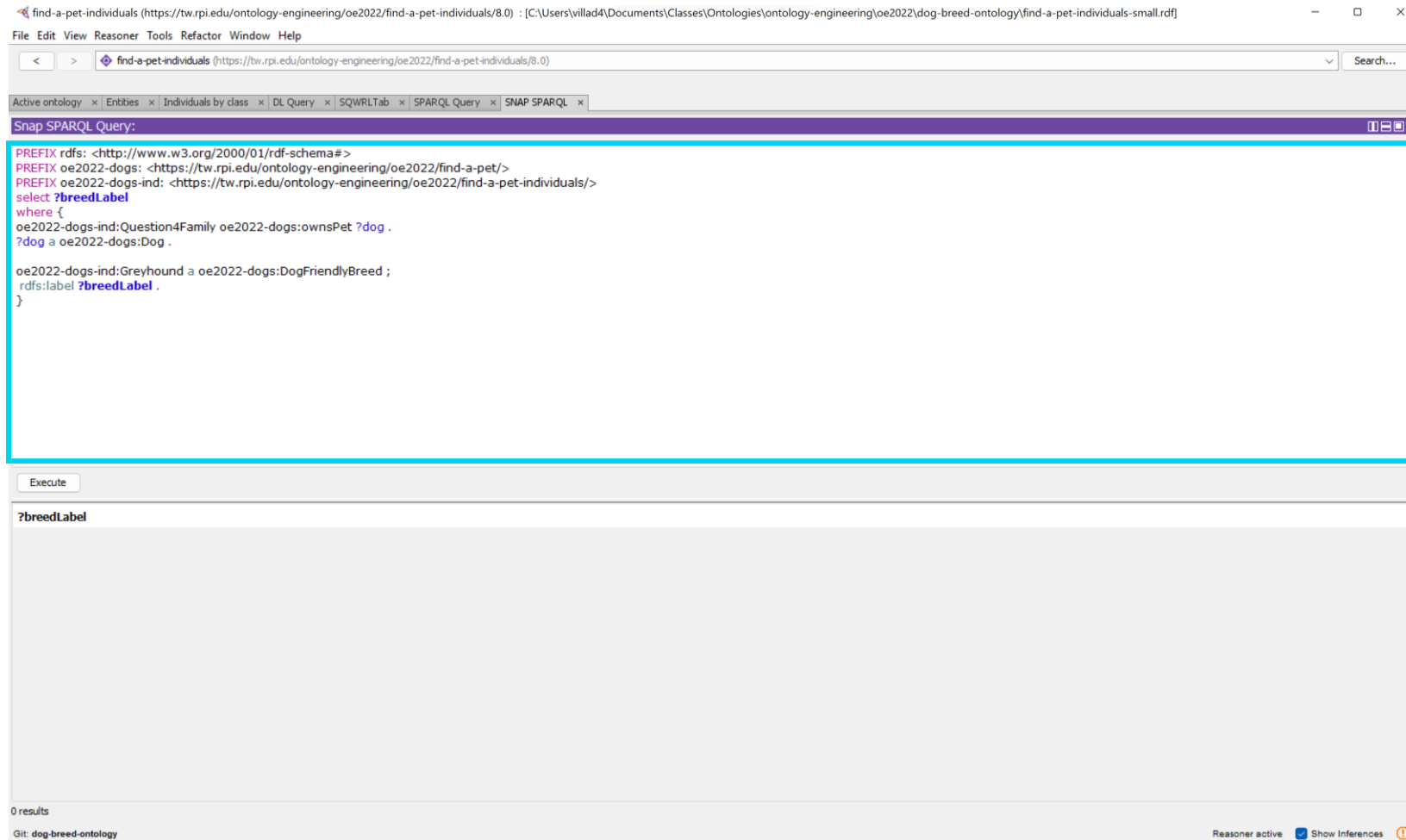
```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?cat .
  ?cat a oe2022-dogs:Cat .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:CatFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is an "Execute" button. The results area, which is highlighted with a green border, shows the variable `?breedLabel` and "0 results". The status bar at the bottom indicates "Reasoner active" and "Show Inferences" is checked.

Shown are the expected results, since greyhound is not a cat friendly breed

# Alternate Query 4.3



The screenshot shows a SPARQL query editor window. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The editor contains the following SPARQL query:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?dog .
  ?dog a oe2022-dogs:Dog .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:DogFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query editor is an "Execute" button and a results area. The results area is currently empty, showing "0 results". At the bottom of the window, it indicates "Git: dog-breed-ontology" and "Reasoner active" with a "Show Inferences" button.

Enter the third part of the alternate to the fourth query

# Execute

The screenshot shows a web-based SPARQL query editor. The title bar indicates the file path: find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]. The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a search bar, and a tabbed interface with tabs for 'Active ontology', 'Entities', 'Individuals by class', 'DL Query', 'SQWRLTab', 'SPARQL Query', and 'SNAP SPARQL'. The main area displays a SPARQL query:

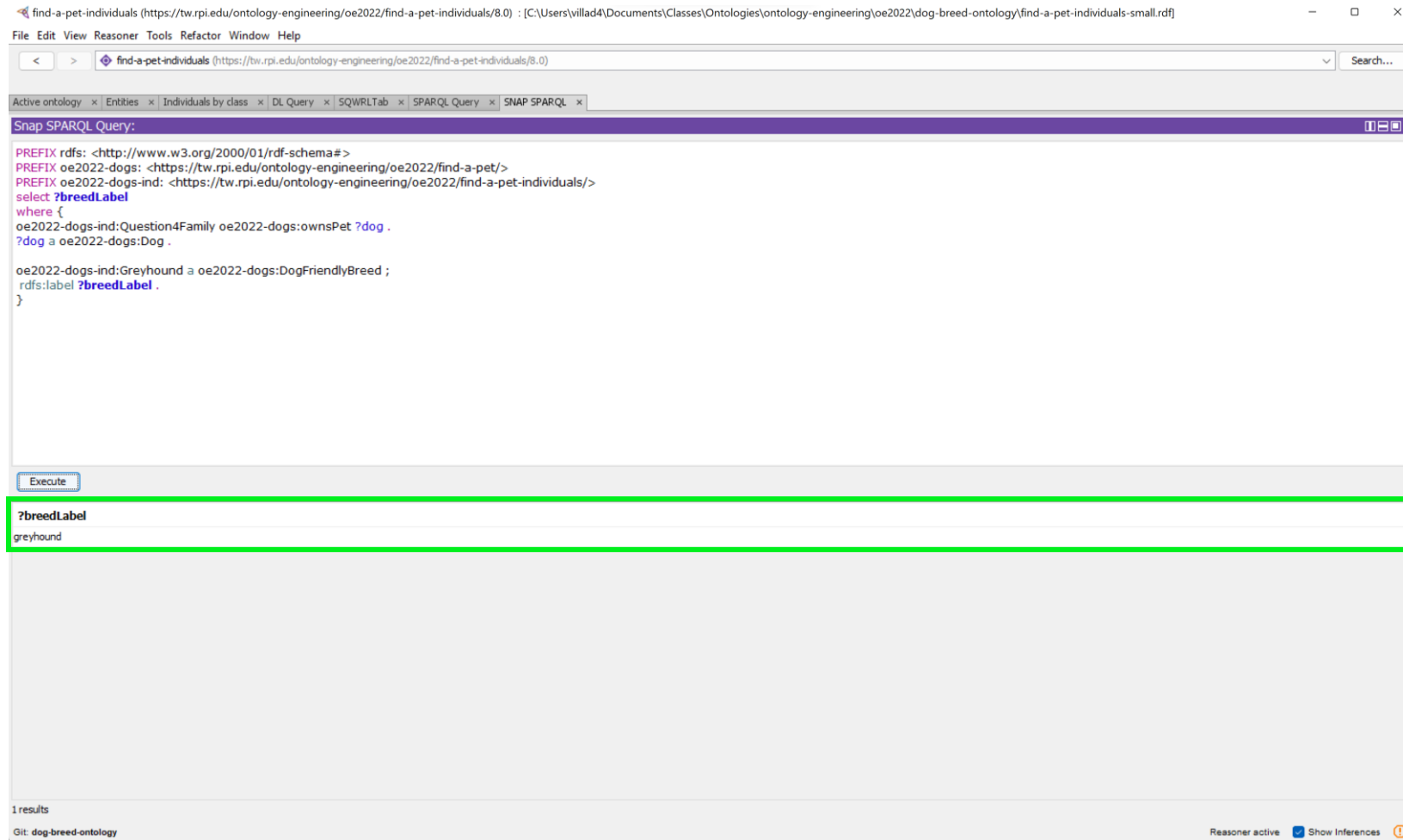
```
SNAP SPARQL Query:
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?dog .
  ?dog a oe2022-dogs:Dog .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:DogFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

Below the query is a button labeled 'Execute', which is highlighted with a red rectangle. Underneath the button, the variable '?breedLabel' is listed. At the bottom of the interface, it shows '0 results' and 'Git: dog-breed-ontology'. The status bar at the bottom right indicates 'Reasoner active' and 'Show Inferences'.



# Results



The screenshot shows a web-based SPARQL query editor and execution interface. The query is as follows:

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
PREFIX oe2022-dogs-ind: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/>
select ?breedLabel
where {
  oe2022-dogs-ind:Question4Family oe2022-dogs:ownsPet ?dog .
  ?dog a oe2022-dogs:Dog .

  oe2022-dogs-ind:Greyhound a oe2022-dogs:DogFriendlyBreed ;
  rdfs:label ?breedLabel .
}
```

The results section shows a single result for the variable `?breedLabel`:

?breedLabel
greyhound

The interface includes a menu bar (File, Edit, View, Reasoner, Tools, Refactor, Window, Help), a toolbar with navigation and search icons, and a status bar at the bottom indicating "1 results" and "Reasoner active".

Shown are the expected results, since greyhound is a dog friendly breed

# Query 5

The screenshot shows a SPARQL query editor window titled "find-a-pet-individuals". The query is as follows:

```
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?barkinglevel ?strangerfriendlinesslevel ?sheddinglevel ?droolinglevel ?maxWeight
WHERE {
  ?breed a oe2022-dogs:ApartmentFriendlyBreed;
        a oe2022-dogs:LowSheddingBreed;
        a oe2022-dogs:LowDroolingBreed;
        rdfs:label ?label.

  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
    cmns-ds:characterizes ?breed;
    oe2022-dogs:displaysDroolingLevel ?droolinglevel;
    oe2022-dogs:displaysSheddingLevel ?sheddinglevel;
    oe2022-dogs:displaysBarkingLevel ?barkinglevel;
    oe2022-dogs:displaysStrangerFriendlinessLevel ?strangerfriendlinesslevel.

  ?phys_profile a oe2022-dogs:BreedPhysicalProfile;
    cmns-ds:characterizes ?breed;
    oe2022-dogs:hasMaxWeight ?maxWeight.

  ?popularityRating a oe2022-dogs:BreedPopularityRating;
    cmns-rt:rates ?breed;
    cmns-rt:hasRatingScore ?ratingScore.

  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
ORDER BY ?popularityQuantitativeScore ?barkinglevel DESC(?strangerfriendlinesslevel) ?sheddinglevel ?droolinglevel
```

Below the query editor, there is an "Execute" button and a results area labeled "?breedLabel". The results area is currently empty, and the status bar at the bottom indicates "0 results".

Enter the fifth query

# Execute

The screenshot shows a web-based SPARQL query editor. The title bar indicates the current ontology is 'find-a-pet-individuals'. The main area contains a SPARQL query with the following text:

```
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?barkinglevel ?strangerfriendlinesslevel ?sheddinglevel ?droolinglevel ?maxWeight
WHERE {
  ?breed a oe2022-dogs:ApartmentFriendlyBreed;
        a oe2022-dogs:LowSheddingBreed;
        a oe2022-dogs:LowDroolingBreed;
        rdfs:label ?label.

  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
    cmns-ds:characterizes ?breed;
    oe2022-dogs:displaysDroolingLevel ?droolinglevel;
    oe2022-dogs:displaysSheddingLevel ?sheddinglevel;
    oe2022-dogs:displaysBarkingLevel ?barkinglevel;
    oe2022-dogs:displaysStrangerFriendlinessLevel ?strangerfriendlinesslevel.

  ?phys_profile a oe2022-dogs:BreedPhysicalProfile;
    cmns-ds:characterizes ?breed;
    oe2022-dogs:hasMaxWeight ?maxWeight.

  ?popularityRating a oe2022-dogs:BreedPopularityRating;
    cmns-rt:rates ?breed;
    cmns-rt:hasRatingScore ?ratingScore.

  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
ORDER BY ?popularityQuantitativeScore ?barkinglevel DESC(?strangerfriendlinesslevel) ?sheddinglevel ?droolinglevel
```

Below the query, there is a button labeled 'Execute' which is highlighted with a red box. The results area below the button is currently empty, showing '0 results'.

At the bottom of the interface, there is a status bar with the text 'Git: dog-breed-ontology', 'Reasoner active', and a 'Show Inferences' button.

# Results

The screenshot shows a web-based SPARQL query editor and execution interface. The query is a SELECT statement with several variables and filters. The results table shows one row for the breed 'poodle (standard)' with the following values: popularityQuantitativeScore: 165.0, barkinglevel: 0.4, strangerfriendlinesslevel: 1.0, sheddinglevel: 0.2, droolinglevel: 0.2, and maxWeight: 50.0.

```
find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) : [C:\Users\willad4\Documents\Classes\Ontologies\ontology-engineering\oe2022\dog-breed-ontology\find-a-pet-individuals-small.rdf]
```

File Edit View Reasoner Tools Refactor Window Help

find-a-pet-individuals (https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet-individuals/8.0) Search...

Active ontology x Entities x Individuals by class x DL Query x SQWRLTab x SPARQL Query x SNAP SPARQL x

Snap SPARQL Query:

```
PREFIX oe2022-dogs: <https://tw.rpi.edu/ontology-engineering/oe2022/find-a-pet/>
SELECT ?label ?popularityQuantitativeScore ?barkinglevel ?strangerfriendlinesslevel ?sheddinglevel ?droolinglevel ?maxWeight
WHERE {
  ?breed a oe2022-dogs:ApartmentFriendlyBreed;
        a oe2022-dogs:LowSheddingBreed;
        a oe2022-dogs:LowDroolingBreed;
        rdfs:label ?label.
  ?char_profile a oe2022-dogs:BreedCharacteristicProfile;
               cmns-cl:characterizes ?breed;
               oe2022-dogs:displaysDroolingLevel ?droolinglevel;
               oe2022-dogs:displaysSheddingLevel ?sheddinglevel;
               oe2022-dogs:displaysBarkingLevel ?barkinglevel;
               oe2022-dogs:displaysStrangerFriendlinessLevel ?strangerfriendlinesslevel.
  ?phys_profile a oe2022-dogs:BreedPhysicalProfile;
               cmns-cl:characterizes ?breed;
               oe2022-dogs:hasMaxWeight ?maxWeight.
  ?popularityRating a oe2022-dogs:BreedPopularityRating;
                  cmns-rt:rates ?breed;
                  cmns-rt:hasRatingScore ?ratingScore.
  ?ratingScore cmns-rt:hasMeasureWithinScale ?popularityQuantitativeScore.
}
```

Execute

?label	?popularityQuantitativeScore	?barkinglevel	?strangerfriendlinesslevel	?sheddinglevel	?droolinglevel	?maxWeight
poodle (standard)	165.0	0.4	1.0	0.2	0.2	50.0

1 results

Git: dog-breed-ontology Reasoner active  Show Inferences

Shown are the expected results