# Queries

**Get top 10 recent posts**

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX reddit: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/4/reddit#>

SELECT ?post ?title ?date

WHERE {

?post rdf:type ?type .

?type rdfs:subClassOf\* reddit:Post .

?post reddit:hasTitle ?title .

?post reddit:hasDateCreated ?date .

}

ORDER BY DESC(?date)

LIMIT 10

**Get top 10 voted posts (or another number provided by the user)**

**PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>**

**PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>**

**PREFIX reddit: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/4/reddit#>**

**SELECT ?post ?title ?date ?votes**

**WHERE {**

**?post rdf:type ?type.**

**?type rdfs:subClassOf\* reddit:Post.**

**?post reddit:hasTitle ?title .**

**?post reddit:hasDateCreated ?date .**

**?post reddit:hasVotes ?votes**

**}**

**ORDER BY DESC(?votes)**

**LIMIT 10**

**Calculate how many times a user has gotten gold**

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX reddit: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/4/reddit#>

SELECT ?user (COUNT(?award) as ?count)

WHERE {

?user rdf:type reddit:Profile .

?user reddit:hasPost ?post .

?post reddit:hasAward ?award .

?award rdf:type reddit:gold }

GROUP BY ?user

**Get all places where you can eat breakfast, and dinner**

**PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>**

**PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>**

**PREFIX foursquare: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/5/foursquare#>**

**SELECT ?place ?address**

**WHERE {**

**?place foursquare:hasInfo ?info .**

**?info foursquare:hasAddress ?address**

**{ ?place rdf:type foursquare:BreakFast }**

**UNION**

**{ ?place rdf:type foursquare:CoffeAndTea }**

**}**

**Get all places that are on Facebook and Instagram**

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX foursquare: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/5/foursquare#>

SELECT ?socialmedia

WHERE {

{ ?socialmedia rdf:type foursquare:Facebook }

UNION

{ ?socialmedia rdf:type foursquare:Instagram}

}

**Show number of likes for a place that serves Dinner (or another value provided by a User)**

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX foursquare: <http://www.semanticweb.org/hekurankastrati/ontologies/2019/5/foursquare#>

SELECT ?place (COUNT(?profile) as ?likes)

WHERE {

?place rdf:type foursquare:Dinner .

?profile rdf:type foursquare:profile .

?profile foursquare:hasLikedPlace ?place

}

GROUP BY (?place)