**Name : Arpit Nigam**

**USC ID : 1933743387**

**Query 1**

select (?name as ?ArtistName) { ?painter rdfs:label ?name. ?painter a dbo:Painter}

"Alice Mumford"

"Carlo Mazza"

"Christian Reder"

"Elmer Wachtel"

"Faustino Duranti"

"Fritz Janschka"

"George Cope (artist)"

"Giovanni Battista Cungi"

"Giovanni Nicola di Paolo Manni"

"Giovanni Stanchi"

**Query 2**

select (count(?painter) as ?CountPainter) { ?painter a dbo:Painter}

2882

**Query 3**

SELECT distinct ?subClass WHERE { ?subClass rdfs:subClassOf dbo:Artist }

"http://dbpedia.org/ontology/Actor"

"http://dbpedia.org/ontology/Comedian"

"http://dbpedia.org/ontology/ComicsCreator"

"http://dbpedia.org/ontology/Dancer"

"http://dbpedia.org/ontology/FashionDesigner"

"http://dbpedia.org/ontology/Humorist"

"http://dbpedia.org/ontology/MusicalArtist"

"http://dbpedia.org/ontology/Painter"

"http://dbpedia.org/ontology/Photographer"

"http://dbpedia.org/ontology/Sculptor"

**Query 4**

select ?actorName where {

?film rdfs:label "A Christmas Tale"@en ;

dbo:starring ?actor .

?actor rdfs:label ?actorName .

filter(langMatches(lang(?actorName),"en"))

}

ORDER BY ?actorName

"Anne Consigny"

"Catherine Deneuve"

"Chiara Mastroianni"

"Emmanuelle Devos"

"Jean-Paul Roussillon"

"Mathieu Amalric"

"Melvil Poupaud"

**Query 5**

select ?actorNames ?birthDates

where {

?Artist rdfs:label ?actorNames .

?Artist dbo:birthDate ?birthDates .

?Artist a dbo:Artist .

FILTER regex(?actorNames,"David") .

FILTER (langMatches(lang(?actorNames),"en"))

}

ORDER BY DESC(?birthDates)

LIMIT 10

"Matthew Davidson",1998-02-18

"Michael-Joel David Stuart","1997"

"Davido",1992-11-21

"Malcolm David Kelley",1992-05-12

"David Carreira",1991-07-30

"David Oh (musician)",1991-06-29

"David Archuleta",1990-12-28

"David Gilmore",1990-08-12

"David Gibb",1990-07-01

"David Mahler","1990"

**Query 6**

select ?actorNames

where{

?Artist rdfs:label ?actorNames .

?Artist dbo:instrument ?inst .

?Artist a dbo:Artist .

FILTER (langMatches(lang(?actorNames),"en"))

MINUS

{?Artist dbo:instrument dbr:Guitar}

}

Group By ?actorNames

Having (Count(\*)=10)

Order By ?actorNames

"Benson Taylor"

"Bernard Sumner"

"Cary Hudson"

"Chris Leslie (folk musician)"

"Collin Leijenaar"

"Drew Shirley"

"Eric Johnson"

"Grant-Lee Phillips"

"Gregg Giuffria"

"Jeff Coffin"

**Query 7**

Description: Nationality of artists along with count of artists belonging to that particular nation sorted in descending order of artists count

select ?Nation (Count(\*) as ?CountArtist) where

{

?Nationality dbo:longName ?Nation .

?Artist dbo:nationality ?Nationality .

?Artist a dbo:Artist

}

GROUP BY ?Nation

ORDER BY Desc(Count(\*))

"United States of America",2510

"Italian Republic",837

"Kingdom of Sweden",546

"French Republic",304

"Netherlands",219

"Federal Republic of Germany",160

"Kingdom of Spain",126

"Kingdom of Belgium",121

"State of Israel",97

"Commonwealth of Australia",85