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