**Q2: Return all films with their title**

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

PREFIX : <http://semantics.id/ns/example/film#>

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

select ?film ?title

where {

?film rdf:type :Film;

rdfs:label ?title

}

**Q3: Is there a film named “Dune”?**

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

PREFIX : <http://semantics.id/ns/example/film#>

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

ask {

?film rdf:type :Film;

rdfs:label "Dune"

}

**Q6: Give me all information about actors which are playing in “Dune” released in 1984**

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

PREFIX : <http://semantics.id/ns/example/film#>

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

describe ?actor

where {

?film :hasActor ?actor;

rdfs:label "Dune";

:releaseYear 1984

}

Q7

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

PREFIX : <http://semantics.id/ns/example/film#>

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

Construct{

?writer :works ?studio

}

where {

?film :hasScriptWriter ?writer.

?film :hasFilmStudio ?studio.

}

Q10

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?studio\_name

where {

?studio a :FilmStudio.

?studio rdfs:label ?studio\_name.

?studio :establishedDate ?date.

FILTER (?date > "1960-01-01"^^xsd:date)

}

Q13

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?title ?genre\_name

where {

?film rdf:type :Film;

rdfs:label ?title.

?film :hasGenre ?genre.

?genre rdfs:label ?genre\_name.

filter(?genre\_name = "Action" || ?genre\_name = "Family")

}

Q14

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?name\_actor ?birthdate

where {

?actor a :Actor.

?actor :fullName ?name\_actor.

?actor :dateOfBirth ?birthdate

} order BY ASC(?birthdate)

Q16

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?movie\_name (count(?actor) as ?ac)

where {

?movie a :Film.

?movie rdfs:label ?movie\_name.

?movie :hasActor ?actor

filter(?movie\_name != "Dune")

} Group by ?movie\_name

Q17

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?actor ?crew ?movie\_title

where {

?movie a :Film

{?movie :hasActor ?actor.

?movie rdfs:label ?movie\_title}

union

{?movie :hasCrew ?crew.

?movie rdfs:label ?movie\_title}

}

Q18

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

PREFIX dbo: <http://dbpedia.org/ontology/>

PREFIX dbr: <http://dbpedia.org/resource/>

PREFIX dbp: <http://dbpedia.org/property/>

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

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

select count(distinct ?film)

where {

service <https://dbpedia.org/sparql>{

?film rdf:type dbo:Film .

?film dbp:country dbr:South\_Korea

}

}

Q19

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

PREFIX dbo: <http://dbpedia.org/ontology/>

PREFIX dbr: <http://dbpedia.org/resource/>

PREFIX dbp: <http://dbpedia.org/property/>

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

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

select ?film ?date

where {

service <https://dbpedia.org/sparql>{

?film rdf:type dbo:Film .

?film dbp:releaseDate ?date

}

} limit 200

Q20

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

PREFIX dbo: <http://dbpedia.org/ontology/>

PREFIX dbr: <http://dbpedia.org/resource/>

PREFIX dbp: <http://dbpedia.org/property/>

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

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

select distinct ?film

where {

service <https://dbpedia.org/sparql>{

?film rdf:type dbo:Film .

?film dbp:director ?director.

?film dbo:starring ?actor.

filter(?actor = dbr:Tom\_Hanks && ?director = dbr:Steven\_Spielberg)

}

}

Q21

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

PREFIX dbo: <http://dbpedia.org/ontology/>

PREFIX dbr: <http://dbpedia.org/resource/>

PREFIX dbp: <http://dbpedia.org/property/>

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

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

select distinct ?film ?gross\_Brad\_Pitt ?gross\_Woody\_Allen

where {

service <https://dbpedia.org/sparql>{

{

?film dbo:director|dbo:starring|dbo:producer dbr:Brad\_Pitt.

?film dbo:gross ?gross\_Brad\_Pitt.}

union

{

?film dbo:director|dbo:starring|dbo:producer dbr:Woody\_Allen.

?film dbo:gross ?gross\_Woody\_Allen.

}

}

}order by Desc(?gross\_Brad\_Pitt) Desc(?gross\_Woody\_Allen)

Q22

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

PREFIX dbo: <http://dbpedia.org/ontology/>

PREFIX dbr: <http://dbpedia.org/resource/>

PREFIX dbp: <http://dbpedia.org/property/>

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

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

select ?film (count(?ac) as ?actor)

where {

service <https://dbpedia.org/sparql>{

?film dbo:starring ?ac.

?film dbo:director dbr:Alfred\_Hitchcock

}

} GROUP BY ?film

HAVING (?actor > "2"^^xsd:integer)

limit 100

Q23

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX ex: <http://semantics.id/ns/example#>

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

select ?x

where {

ex:ewan\_mcgregor rdf:type ?x

}

Q24

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

PREFIX : <http://semantics.id/ns/example/film#>

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

PREFIX ex: <http://semantics.id/ns/example#>

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

select ?x

where {

ex:film\_1 :hasCrew ?x

}