# TEST SPARQL QUERIES AND THEIR OUTPUT
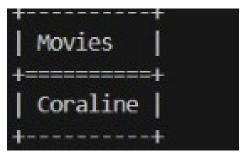
## List the name of all Thriller movies. For each one, display its director.

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX : <http://www.semanticweb.org/noorh/ontologies/2024/4/untitled-
ontology-6/>

SELECT ?movieTitle ?directorName
WHERE {
  ?movie rdf:type :movie ;
         :movie_genre "Thriller" ;
         :movie_title ?movieTitle .
  ?movie :hasDirector ?director .
  ?director :person_name ?directorName
.
}
```

| Movie Title  | Director Name     |
|--------------|-------------------|
| Kill Bill    | Quentin Tarantino |
| The Irishman | Martin Scorsese   |

## List the male actors in the movie in a specific film (Titanic).

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX : <http://www.semanticweb.org/noorh/ontologies/2024/4/untitled-
ontology-6/>

SELECT ?actorName
WHERE {
  ?movie rdf:type :movie ;
         :movie_title "Titanic" ;
         :hasActor ?actor .
  ?actor rdf:type :actor ;
         :person_gender "Male" ;
         :person_name ?actorName .
}
```

| Actor             |
|-------------------|
| Leonardo Dicaprio |

## List all the movies written by a specific writer (Neil Gaiman).

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX : <http://www.semanticweb.org/noorh/ontologies/2024/4/untitled-
ontology-6/>

SELECT ?movieTitle
WHERE {
```

```
    ?writer rdf:type :writer ;
           :person_name "Neil Gaiman" .
    ?movie rdf:type :movie ;
           :hasWriter ?writer ;
           :movie_title ?movieTitle .
}
```

```
+------------+
| Movies     |
+============+
| Coraline   |
+------------+
```

## A query with ORDER BY (age).

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX : <http://www.semanticweb.org/noorh/ontologies/2024/4/untitled-
ontology-6/>

SELECT ?actorName ?age
WHERE {
  ?actor rdf:type :actor ;
         :person_name ?actorName ;
         :person_age ?age .
}
ORDER BY DESC(?age)
```

```
+-------------------+-------+
| Actor             |  Age  |
+===================+=======+
| Quentin Tarantino |   61  |
+-------------------+-------+
| Robert Downey Jr  |   59  |
+-------------------+-------+
| Leonardo Dicaprio |   49  |
+-------------------+-------+
| Kate Winslet      |   48  |
+-------------------+-------+
| Rachel McAdams    |   45  |
+-------------------+-------+
| Zoe Saldana       |   45  |
+-------------------+-------+
| Jesse Eisenberg   |   40  |
+-------------------+-------+
| Jennifer Lawrence |   33  |
+-------------------+-------+
```

## A query with FILTER (released after the year 2010).

```
PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX : <http://www.semanticweb.org/noorh/ontologies/2024/4/untitled-
ontology-6/>

SELECT ?movieTitle ?releaseYear
WHERE {
  ?movie rdf:type :movie ;
         :movie_title ?movieTitle ;
         :movie_year ?releaseYear .
  FILTER (?releaseYear > 2010)
}
```

| Title         | Release Year |
|===============|==============|
| Hunger Games  |         2012 |
| Now You See Me |         2013 |
| The Irishman  |         2019 |