MongoDB

1. Find the movies titled "Gladiator".

- Query:

```
list(movies.find(
  {'title': 'Gladiator'},
  {'_id': 0, 'title': 1, 'year': 1}
))
```

- Results:

```
[{'title': 'Gladiator', 'year': 2000}]
```

2. List the distinct genre values of movies.

- Query:

```
movies.distinct('genre')
```

- Results:

```
['Action',
 'Comédie',
 'Fantastique',
 'Guerre',
 'Horreur',
 'Science-fiction',
 'Suspense',
 'Thriller',
 'Western',
 'crime',
 'drama',
 'romance']
```

3. List just the titles of movies of "crime" or "drama" genre.

- Query:

```
list(movies.find(
  {"$or": [
    {"genre": "crime"},
    {"genre": "drama"}
  ]},
  {"_id": 0, "title": 1, "genre": 1}
))
```

- Results:

```
[{'title': 'Vertigo', 'genre': 'drama'},
 {'title': 'Titanic', 'genre': 'drama'},
 {'title': 'Sacrifice', 'genre': 'drama'},
 {'title': 'Gladiator', 'genre': 'drama'},
 {'title': 'Van Gogh', 'genre': 'drama'},
 {'title': 'Seven', 'genre': 'crime'},
 {'title': 'Le last_name de la rose', 'genre': 'crime'},
 {'title': 'Le silence des agneaux', 'genre': 'crime'},
 {'title': 'Les pleins pouvoirs', 'genre': 'crime'},
 {'title': 'Rain Man', 'genre': 'drama'},
 {'title': 'Reservoir dogs', 'genre': 'crime'},
 {'title': 'Le grand bleu', 'genre': 'drama'},
 {'title': 'King of New York', 'genre': 'drama'},
 {'title': 'De bruit et de fureur', 'genre': 'drama'},
 {'title': 'Bad Lieutenant', 'genre': 'drama'},
 {'title': 'Le parrain', 'genre': 'drama'},
 {'title': 'Le parrain II', 'genre': 'drama'},
 {'title': 'Le parrain III', 'genre': 'drama'},
 {'title': 'Jackie Brown', 'genre': 'crime'},
 {'title': 'Kill Bill', 'genre': 'drama'},
 {'title': 'Stalingrad', 'genre': 'drama'},
 {'title': 'Million Dollar Baby', 'genre': 'drama'},
 {'title': 'Marie Antoinette', 'genre': 'drama'},
 {'title': 'Heat', 'genre': 'crime'},
 {'title': 'Taxi driver', 'genre': 'drama'},
 ...
 {'title': 'Fargo', 'genre': 'crime'},
 {'title': 'Les quatre cents coups', 'genre': 'drama'},
 {'title': 'Le dernier métro', 'genre': 'drama'},
 {'title': 'Un prophète', 'genre': 'drama'},
 {'title': 'Nous trois ou rien', 'genre': 'drama'}]
```

4. Find the list of movies directed by "Hitchcock", display only title and year and sort them by year (asc).

- Query:

```
list(movies.find(
  {"director.last_name": "Hitchcock"},
  {"_id": 0, "title": 1, "year": 1}
).sort({"year": 1}))
```

- Results:

```
[{'title': 'Fenêtre sur cour', 'year': 1954},
{'title': 'Vertigo', 'year': 1958},
{'title': 'La mort aux trousses', 'year': 1959},
{'title': 'Psychose', 'year': 1960},
{'title': 'Les oiseaux', 'year': 1963},
{'title': 'Pas de printemps pour Marnie', 'year': 1964}]
```

5. List the movie titles where "Cotillard" played.

- Query:

```
list(movies.find(
  {"actors.last_name": "Cotillard"},
  {"_id": 0, "title": 1, "year": 1}
))
```

- Results:

```
[{'title': 'Inception', 'year': 2010},
{'title': 'The Dark Knight Rises', 'year': 2012}]
```

6. List the movie titles released between 1967 and 1995 (inclusive).

- Query:

```
list(
  movies.find(
    {
      "$and": [
        {"year": {"$gte": 1967}},
        {"year": {"$lte": 1995}}
      ]
    },
    {"_id": 0, "title": 1, "year": 1}
  )
)
```

- Results:

```
[{'title': 'Alien', 'year': 1979},
{'title': 'Sacrifice', 'year': 1986},
{'title': 'Impitoyable', 'year': 1992},
{'title': 'Blade Runner', 'year': 1982},
{'title': 'Piège de cristal', 'year': 1988},
{'title': '58 minutes pour vivre', 'year': 1990},
{'title': 'Van Gogh', 'year': 1990},
{'title': 'Seven', 'year': 1995},
{'title': 'Twelve Monkeys', 'year': 1995},
{'title': 'Le last_name de la rose', 'year': 1986},
{'title': 'Pulp fiction', 'year': 1994},
{'title': 'Terminator', 'year': 1984},
{'title': 'Les dents de la mer', 'year': 1975},
{'title': 'Le silence des agneaux', 'year': 1990},
{'title': 'Kagemusha', 'year': 1980},
{'title': 'Le gendarme et les extra-terrestres', 'year': 1978},
{'title': 'Rain Man', 'year': 1988},
{'title': 'Top Gun', 'year': 1986},
{'title': 'Les bronzés font du ski', 'year': 1979},
{'title': 'Le retour du Jedi', 'year': 1983},
{'title': 'Reservoir dogs', 'year': 1992},
{'title': 'Shining', 'year': 1980},
{'title': 'Léon', 'year': 1994},
{'title': 'Nikita', 'year': 1990},
{'title': 'Le grand bleu', 'year': 1988},
...
{'title': 'Heat', 'year': 1995},
{'title': 'Taxi driver', 'year': 1976},
{'title': 'Les affranchis', 'year': 1990},
{'title': 'Casino', 'year': 1995},
{'title': 'Le dernier métro', 'year': 1980}]
```

7. List the the movies released between 1967 and 1995 (inclusive), by displaying only title, year, director's last name sorted by year

- Query:

```
list(
  movies.find(
    {
      "$and": [
        {"year": {"$gte": 1967}},
        {"year": {"$lte": 1995}}
      ]
    },
    {"_id": 0, "title": 1, "year": 1, "director.last_name": 1}
```

```
        ).sort({"year": 1})
    )
```

- Results:

```
[{'title': 'Le parrain', 'year': 1972, 'director': {'last_name':
'Coppola'}},
{'title': 'Soleil vert',
  'year': 1973,
  'director': {'last_name': 'Fleischer'}},
{'title': 'Le parrain II',
  'year': 1974,
  'director': {'last_name': 'Coppola'}},
{'title': 'Les dents de la mer',
  'year': 1975,
  'director': {'last_name': 'Spielberg'}},
{'title': 'Taxi driver', 'year': 1976, 'director': {'last_name':
'Scorcese'}},
{'title': 'Le gendarme et les extra-terrestres',
  'year': 1978,
  'director': {'last_name': 'Girault'}},
{'title': 'Alien', 'year': 1979, 'director': {'last_name': 'Scott'}},
{'title': 'Les bronzés font du ski',
  'year': 1979,
  'director': {'last_name': 'Leconte'}},
{'title': 'Le dernier métro',
  'year': 1980,
  'director': {'last_name': 'Truffaut'}},
{'title': 'Shining', 'year': 1980, 'director': {'last_name': 'Kubrick'}},
{'title': 'Kagemusha', 'year': 1980, 'director': {'last_name': 'Kurozawa'}},
{'title': 'Blade Runner', 'year': 1982, 'director': {'last_name': 'Scott'}},
{'title': 'Le retour du Jedi',
...
{'title': 'Heat', 'year': 1995, 'director': {'last_name': 'Mann'}},
{'title': 'Twelve Monkeys',
  'year': 1995,
  'director': {'last_name': 'Gilliam'}},
{'title': 'Casino', 'year': 1995, 'director': {'last_name': 'Scorcese'}}]
```