Tasca S5.01 Consultes amb MongoDB

Nivel 1

Bases de datos creadas:

Ejercicio 1

db.comments.find().limit(2)

```
> use sprint5
< switched to db sprint5
> db.comments.find().limit(2)
< {
    _id: ObjectId('5a9427648b0beebeb69579cc'),
    name: 'Andrea Le',
    email: 'andrea_le@fakegmail.com',
    movie_id: ObjectId('573a1390f29313caabcd418c'),
    text: 'Rem officiis eaque repellendus amet eos doloribus. Porro dolor voluptatum voluptates neque culpa molestias. Voluptate unde nulla
    date: 2012-03-26T23:20:16.000Z
  }
  {
    _id: ObjectId('5a9427648b0beebeb69579cf'),
    name: 'Greg Powell',
    email: 'greg_powell@fakegmail.com',
    movie_id: ObjectId('573a1390f29313caabcd41b1'),
    text: 'Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Commodi nisi sit placeat rerum vero cupiditate neque. Dolorum
    date: 1987-02-10T00:29:36.000Z
  }
sprint5 >
```

db.users.countDocuments()

```
> db.users.countDocuments()
< 185
sprint5 >
```

db.theaters.countDocuments({
**   "location.address.state": "CA"**
})

```
> db.theaters.countDocuments({
    "location.address.state": "CA"
  })
< 169
sprint5 >
```

db.users.find().sort({_id: 1}).limit(1)

```
> db.users.find().sort({_id: 1}).limit(1)
< {
    _id: ObjectId('59b99db4cfa9a34dcd7885b6'),
    name: 'Ned Stark',
    email: 'sean_bean@gameofthron.es',
    password: '$2b$12$UREFwsRUoyF0CRqGNK0LzO0HM/jLhgUCNNIJ9RJAqMUQ74crlJ1Vu'
  }
```

db.movies.countDocuments({
**   genres:{**
** $in: ['Comedy']**
**   }**
})

```
> db.movies.countDocuments({
    genres:{
  $in: [ 'Comedy' ]
    }
  })
< 7024
sprint5 >
```

Ejercicio 2

```
db.movies.find({
        year:1932,
        $or: [
                { genres: { $in: ['Drama'] } },
                {languages: { $in: ['French'] }}
        ]
})
```



```
> db.movies.find({
    year:1932,
    $or: [
      { genres: {$in: ['Drama'] } },
      {languages: {$in: ['French'] }}
    ]})
< {
    _id: ObjectId('573a1391f29313caabcd9458'),
    plot: 'A young artist draws a face at a canvas on his easel. Suddenly the mouth on the drawing comes into life and starts talking. The a
    runtime: 55,
    rated: 'UNRATED',
    cast: [
      'Enrique Rivero',
      'Elizabeth Lee Miller',
      'Pauline Carton',
      'Odette Talazac'
    ],
    num_mflix_comments: 1,
    poster: 'https://m.media-amazon.com/images/M/MV5BYWY3ODE5ZWEtYjlmYi00NjA4LTk4ZWYtMzBhZDE5MjY0YTYxXkEyXkFqcGdeQXVyNzI4MDMyMTU@._V1_SY1000
    title: 'The Blood of a Poet',
    lastupdated: '2015-09-16 13:13:05.537000000',
    languages: [
      'French'
    ],
    released: 2010-05-20T00:00:00.000Z,
    directors: [
```

```
db.movies.countDocuments({
        year:1932,
        $or: [
                { genres: {$in: ['Drama'] } },
                {languages: {$in: ['French'] }}
        ]
]})
```

```
>
> db.movies.countDocuments({
    year:1932,
    $or: [
        { genres: {$in: ['Drama'] } },
        {languages: {$in: ['French'] }}
    ]})
< 18
sprint5>
```

Ejercicio 3

```
db.movies.find({
 countries:{ $in: ['USA'] },
 'awards.wins': { $gte: 5, $lte: 9 },
 year: { $gte: 2012, $lte: 2014 }
})
```

```
>_MONGOSH                                                                    (i)
> db.movies.find({
    countries:{ $in: ['USA'] },
    'awards.wins': { $gte: 5, $lte: 9 },
    year: { $gte: 2012, $lte: 2014 }
})
< {
    _id: ObjectId('573a13acf29313caabd29366'),
    fullplot: "The manager of the negative assets sector of Life magazine, Walter Mitty, has been working for sixteen years for the magazine
    imdb: {
      rating: 7.4,
      votes: 211230,
      id: 359950
    },
    year: 2013,
    plot: 'When his job along with that of his co-worker are threatened, Walter takes action in the real world embarking on a global journey
    genres: [
      'Adventure',
      'Comedy',
      'Drama'
    ],
    rated: 'PG',
    metacritic: 54,
    title: 'The Secret Life of Walter Mitty',
    lastupdated: '2015-08-31 00:10:51.747000000',
    languages: [
      'English',
      'Spanish',
      'Icelandic'
```

```
db.movies.countDocuments({
 countries:{ $in: ['USA'] },
```

```
'awards.wins': { $gte: 5, $lte: 9 },
 year: { $gte: 2012, $lte: 2014 }
})
```

```
> db.movies.countDocuments({
    countries:{ $in: ['USA'] },
    'awards.wins': { $gte: 5, $lte: 9 },
    year: { $gte: 2012, $lte: 2014 }
  })
< 166
```

Nivel 2

Ejercicio 1

```
db.comments.countDocuments({
 email: /@GAMEOFTHRON\.ES/i
})
```

```
> db.comments.countDocuments({
    email: /@GAMEOFTHRON\.ES/i
  })
< 22841
sprint5 >
```

Ejercicio 2

```
db.theaters.aggregate([
 {
  $match: {
    'location.address.state': 'DC'
  }
 },
 {
  $group: {
   _id: '$location.address.zipcode',
   'total_cines': { $sum: 1 }
```

```
> db.theaters.aggregate([
    {
      $match: {
        'location.address.state': 'DC'
      }
    },
    {
    $group: {
      _id: '$location.address.zipcode',
      'total_cines': { $sum: 1 }
    }
  }
  ])
< {
    _id: '20016',
    total_cines: 1
  }
  {
    _id: '20002',
    total_cines: 1
  }
  {
    _id: '20010',
    total_cines: 1
  }
sprint5 >
```
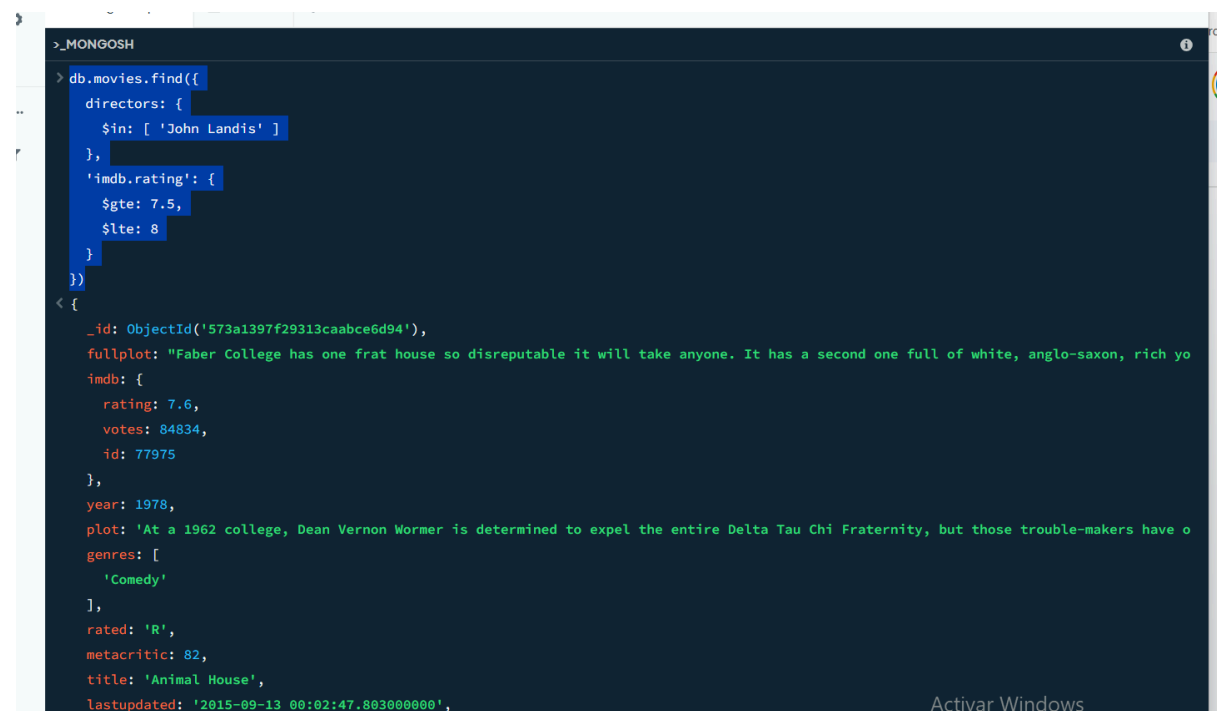
Nivel 3

Ejercicio 1

```
db.movies.find({
  directors: {
    $in: [ 'John Landis' ]
  },
  'imdb.rating': {
    $gte: 7.5,
    $lte: 8
  }
})
```



```
> db.movies.find({
    directors: {
      $in: [ 'John Landis' ]
    },
    'imdb.rating': {
      $gte: 7.5,
      $lte: 8
    }
  })
< {
    _id: ObjectId('573a1397f29313caabce6d94'),
    fullplot: "Faber College has one frat house so disreputable it will take anyone. It has a second one full of white, anglo-saxon, rich yo
    imdb: {
      rating: 7.6,
      votes: 84834,
      id: 77975
    },
    year: 1978,
    plot: 'At a 1962 college, Dean Vernon Wormer is determined to expel the entire Delta Tau Chi Fraternity, but those trouble-makers have o
    genres: [
      'Comedy'
    ],
    rated: 'R',
    metacritic: 82,
    title: 'Animal House',
    lastupdated: '2015-09-13 00:02:47.803000000',
```

```
db.movies.countDocuments({
  directors: {
    $in: [ 'John Landis' ]
  },
  'imdb.rating': {
    $gte: 7.5,
    $lte: 8
  }
})
```

```
> db.movies.countDocuments({
    directors: {
      $in: [ 'John Landis' ]
    },
    'imdb.rating': {
      $gte: 7.5,
      $lte: 8
    }
  })
< 4
sprint5 >
```

Ejercicio 2

Las coordenadas:

`db.theaters.find({}, { _id: 0, 'location.geo': 1 })`

```
> db.theaters.find({}, { _id: 0, 'location.geo': 1 })
< {
    location: {
      geo: {
        type: 'Point',
        coordinates: [
          -93.24565,
          44.85466
        ]
      }
    }
  }
  {
    location: {
      geo: {
        type: 'Point',
        coordinates: [
          -76.512016,
          38.29697
        ]
      }
    }
  }
  {
    location: {
      geo: {
        type: 'Point',
        coordinates: [
```

el mapa: