Avaliação Prática MongoDB

Aluno: Johnny Cleiton Willy da Silva

Base de dados *movie_metadata.csv* carregada no MongoDB Compass

	genres String	actor_1_name String	movie_title String	num_voted_users Int32	ca:
1	"Action|Adventure|Fantas…	"CCH Pounder"	"Avatar "	886204	483
2	"Action|Adventure|Fantas…	"Johnny Depp"	"Pirates of the Caribbea…	471220	483
3	"Action|Adventure|Thrill…	"Christoph Waltz"	"Spectre "	275868	117
4	"Action|Thriller"	"Tom Hardy"	"The Dark Knight Rises "	1144337	106
5	"Documentary"	"Doug Walker"	"Star Wars: Episode VII …	8	143
6	"Action|Adventure|Sci-Fi"	"Daryl Sabara"	"John Carter "	212204	187
7	"Action|Adventure|Romanc…	"J.K. Simmons"	"Spider-Man 3 "	383056	460
8	"Adventure|Animation|Com…	"Brad Garrett"	"Tangled "	294810	203
9	"Action|Adventure|Sci-Fi"	"Chris Hemsworth"	"Avengers: Age of Ultron…	462669	920
10	"Adventure|Family|Fantas…	"Alan Rickman"	"Harry Potter and the Ha…	321795	587
11	"Action|Adventure|Sci-Fi"	"Henry Cavill"	"Batman v Superman: Dawn…	371639	244
12	"Action|Adventure|Sci-Fi"	"Kevin Spacey"	"Superman Returns "	240396	299
13	"Action|Adventure"	"Giancarlo Giannini"	"Quantum of Solace "	330784	202
14	"Action|Adventure|Fantas…	"Johnny Depp"	"Pirates of the Caribbea…	522040	484

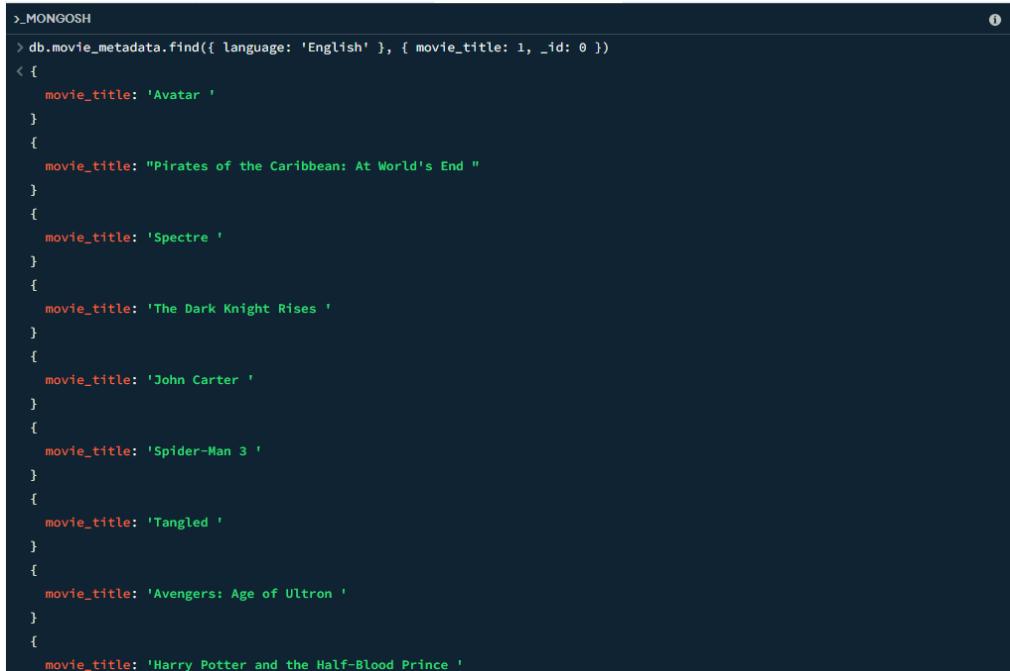1. **Consultar os filmes que tem linguagem (idioma) igual a Inglês:**

   ```
   db.movie_metadata.find({'language' : 'English'})
   ```

   ```
   >_MONGOSH                                                          ⓘ
   > use ligado
   < switched to db ligado
   > db.movie_metadata.find({'language' : 'English'})
   < {
       _id: ObjectId('691cc6c810959589af4259ea'),
       color: 'Color',
       director_name: 'James Cameron',
       num_critic_for_reviews: 723,
       duration: 178,
       director_facebook_likes: 0,
       actor_3_facebook_likes: 855,
       actor_2_name: 'Joel David Moore',
       actor_1_facebook_likes: 1000,
       gross: 760505847,
       genres: 'Action|Adventure|Fantasy|Sci-Fi',
       actor_1_name: 'CCH Pounder',
       movie_title: 'Avatar ',
       num_voted_users: 886204,
       cast_total_facebook_likes: 4834,
       actor_3_name: 'Wes Studi',
       facenumber_in_poster: 0,
       plot_keywords: 'avatar|future|marine|native|paraplegic',
       movie_imdb_link: 'http://www.imdb.com/title/tt0499549/?ref_=fn_tt_tt_1',
       num_user_for_reviews: 3054,
       language: 'English',
       country: 'USA',
       content_rating: 'PG-13',
   ```

- Comando alternativo para mostrar apenas o nome dos filmes que possuem como idioma o inglês:
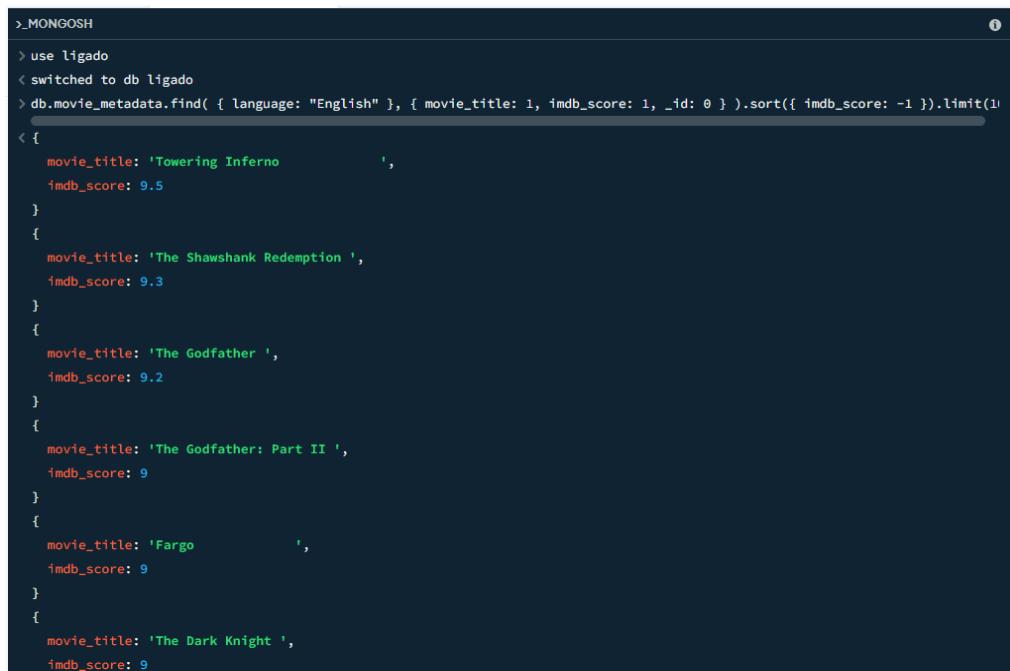
db.movie_metadata.find({'language' : 'English'}, {movie_title: 1, _id: 0})

```
>_MONGOSH                                                                      ⓘ
> db.movie_metadata.find({ language: 'English' }, { movie_title: 1, _id: 0 })
< {
    movie_title: 'Avatar '
  }
  {
    movie_title: "Pirates of the Caribbean: At World's End "
  }
  {
    movie_title: 'Spectre '
  }
  {
    movie_title: 'The Dark Knight Rises '
  }
  {
    movie_title: 'John Carter '
  }
  {
    movie_title: 'Spider-Man 3 '
  }
  {
    movie_title: 'Tangled '
  }
  {
    movie_title: 'Avengers: Age of Ultron '
  }
  {
    movie_title: 'Harry Potter and the Half-Blood Prince '
```

2. **Consultar os TOP 10 filmes (10 maiores notas IMDB no idioma Inglês):**

```
db.movie_metadata.find( { language: "English" }, { movie_title:
1, imdb_score: 1, _id: 0 } ).sort({ imdb_score: -1 }).limit(10)
```

```
>_MONGOSH                                                                      ⓘ
> use ligado
< switched to db ligado
> db.movie_metadata.find( { language: "English" }, { movie_title: 1, imdb_score: 1, _id: 0 } ).sort({ imdb_score: -1 }).limit(1
< {
    movie_title: 'Towering Inferno            ',
    imdb_score: 9.5
  }
  {
    movie_title: 'The Shawshank Redemption ',
    imdb_score: 9.3
  }
  {
    movie_title: 'The Godfather ',
    imdb_score: 9.2
  }
  {
    movie_title: 'The Godfather: Part II ',
    imdb_score: 9
  }
  {
    movie_title: 'Fargo           ',
    imdb_score: 9
  }
  {
    movie_title: 'The Dark Knight ',
    imdb_score: 9
```

```
    }
    {
      movie_title: 'The Lord of the Rings: The Return of the King ',
      imdb_score: 8.9
    }
    {
      movie_title: '12 Angry Men ',
      imdb_score: 8.9
    }
    {
      movie_title: 'Pulp Fiction ',
      imdb_score: 8.9
    }
    {
      movie_title: "Schindler's List ",
      imdb_score: 8.9
    }
```

3. Consultar os filmes com mais de 2 horas de duração (120 minutos)

```
db.movie_metadata.find({ duration: { $gt: 120 } })
```

```
>_MONGOSH                                                                        ⓘ
    }
> db.movie_metadata.find({ duration: { $gt: 120 } })
< {
    _id: ObjectId('691cc6c810959589af4259ea'),
    color: 'Color',
    director_name: 'James Cameron',
    num_critic_for_reviews: 723,
    duration: 178,
    director_facebook_likes: 0,
    actor_3_facebook_likes: 855,
    actor_2_name: 'Joel David Moore',
    actor_1_facebook_likes: 1000,
    gross: 760505847,
    genres: 'Action|Adventure|Fantasy|Sci-Fi',
    actor_1_name: 'CCH Pounder',
    movie_title: 'Avatar ',
    num_voted_users: 886204,
    cast_total_facebook_likes: 4834,
    actor_3_name: 'Wes Studi',
    facenumber_in_poster: 0,
    plot_keywords: 'avatar|future|marine|native|paraplegic',
    movie_imdb_link: 'http://www.imdb.com/title/tt0499549/?ref_=fn_tt_tt_1',
    num_user_for_reviews: 3054,
    language: 'English',
    country: 'USA',
    content_rating: 'PG-13',
    budget: 237000000,
```

- Comando alternativo para mostrar apenas o nome dos filmes que possuem mais de 2h de duração:

```
db.movie_metadata.find({ duration: { $gt: 120 } }, {movie_title :
1, _id : 0})
```

```
> db.movie_metadata.find({ duration: { $gt: 120 } }, {movie_title : 1, _id : 0})
< {
    movie_title: 'Avatar '
  }
  {
    movie_title: "Pirates of the Caribbean: At World's End "
  }
  {
    movie_title: 'Spectre '
  }
```