

```

from pymongo import MongoClient

client = MongoClient("mongodb+srv://navami_vk:Bh99tXDBGVWl4JAb@dbd.hgdxf4.mongodb.net/?retryWrites=true&w=majority")

db = client['OTT']

db.list_collection_names()

['Netflix', 'DisneyPlus', 'Hulu', 'Amazon']

superPowers = db.Netflix.find({'description' : {"$regex" : r'super.*power'}})

for i in superPowers:
    print(i)

{
  '_id': ObjectId('6380507888b5cf9cd595fb33'), 'show_id': 's40', 'type': 'TV Show', 'title': 'Chhota Bheem', 'director': nan, 'cast': 'Va
  '_id': ObjectId('6380507888b5cf9cd595fb59'), 'show_id': 's78', 'type': 'Movie', 'title': 'Little Singham - Black Shadow', 'director':
  '_id': ObjectId('6380507888b5cf9cd595fb84'), 'show_id': 's121', 'type': 'TV Show', 'title': 'Heroes of Goo Jit Zu', 'director': nan, 'c
  '_id': ObjectId('6380507888b5cf9cd595fb6d'), 'show_id': 's98', 'type': 'TV Show', 'title': 'Kid Cosmic', 'director': nan, 'cast': 'Jack
  '_id': ObjectId('6380507888b5cf9cd595fb65'), 'show_id': 's90', 'type': 'TV Show', 'title': 'Mighty Raju', 'director': nan, 'cast': 'Jul
  '_id': ObjectId('6380507888b5cf9cd595fc0c'), 'show_id': 's257', 'type': 'Movie', 'title': 'Nneka The Pretty Serpent', 'director': 'Tosi
  '_id': ObjectId('6380507888b5cf9cd595fd35'), 'show_id': 's554', 'type': 'TV Show', 'title': 'Mortel', 'director': nan, 'cast': 'Carl Ma
  '_id': ObjectId('6380507888b5cf9cd595fced'), 'show_id': 's482', 'type': 'Movie', 'title': 'How I Became a Superhero', 'director': 'Doug
  '_id': ObjectId('6380507888b5cf9cd5960052'), 'show_id': 's1351', 'type': 'TV Show', 'title': 'Power Rangers Ninja Steel', 'director': r
  '_id': ObjectId('6380507888b5cf9cd595ff41'), 'show_id': 's1078', 'type': 'Movie', 'title': 'Shiva: Journey to Plunotaria', 'director':
  '_id': ObjectId('6380507888b5cf9cd595ff4c'), 'show_id': 's1089', 'type': 'Movie', 'title': 'Thunder Force', 'director': 'Ben Falcone',
  '_id': ObjectId('6380507888b5cf9cd595ff5e'), 'show_id': 's1107', 'type': 'Movie', 'title': 'Cross: Rise of the Villains', 'director':
  '_id': ObjectId('6380507888b5cf9cd596024b'), 'show_id': 's1856', 'type': 'Movie', 'title': 'A Choo', 'director': 'Kevin Ko, Peter Tsi',
  '_id': ObjectId('6380507888b5cf9cd596035d'), 'show_id': 's2130', 'type': 'Movie', 'title': 'Fearless', 'director': 'Cory Edwards', 'cas
  '_id': ObjectId('6380507888b5cf9cd5960360'), 'show_id': 's2133', 'type': 'Movie', 'title': 'Project Power', 'director': 'Henry Joost, /
  '_id': ObjectId('6380507888b5cf9cd596038d'), 'show_id': 's2178', 'type': 'Movie', 'title': 'Super Monsters: The New Class', 'director':
  '_id': ObjectId('6380507888b5cf9cd596040b'), 'show_id': 's2304', 'type': 'TV Show', 'title': 'Warrior Nun', 'director': nan, 'cast': 'A
  '_id': ObjectId('6380507888b5cf9cd59605a2'), 'show_id': 's2711', 'type': 'TV Show', 'title': 'Legacies', 'director': nan, 'cast': 'Dani
  '_id': ObjectId('6380507888b5cf9cd5960471'), 'show_id': 's2406', 'type': 'TV Show', 'title': 'DC's Legends of Tomorrow', 'director': 'F
  '_id': ObjectId('6380507888b5cf9cd5960889'), 'show_id': 's3454', 'type': 'TV Show', 'title': 'Raising Dion', 'director': nan, 'cast': '
  '_id': ObjectId('6380507888b5cf9cd595ff3e'), 'show_id': 's1075', 'type': 'Movie', 'title': 'Motu Patlu the Superheroes - Super Villains
  '_id': ObjectId('6380507888b5cf9cd59602f7'), 'show_id': 's2028', 'type': 'Movie', 'title': 'Satria Heroes: Revenge of the Darkness', 'c
  '_id': ObjectId('6380507888b5cf9cd5960313'), 'show_id': 's2056', 'type': 'Movie', 'title': 'Freaks - You're One of Us', 'director': 'Fe
  '_id': ObjectId('6380507888b5cf9cd596058e'), 'show_id': 's2691', 'type': 'Movie', 'title': 'Code 8', 'director': 'Jeff Chan', 'cast':
  '_id': ObjectId('6380507888b5cf9cd596064c'), 'show_id': 's2881', 'type': 'TV Show', 'title': 'I Am Not Okay With This', 'director': 'nar
  '_id': ObjectId('6380507888b5cf9cd596056e'), 'show_id': 's2659', 'type': 'TV Show', 'title': 'Bleach', 'director': nan, 'cast': 'Masaka
  '_id': ObjectId('6380507888b5cf9cd5960cab'), 'show_id': 's4512', 'type': 'TV Show', 'title': 'Edgar Rice Burroughs' Tarzan and Jane',
  '_id': ObjectId('6380507888b5cf9cd5960e42'), 'show_id': 's4919', 'type': 'Movie', 'title': 'Psychokinesis', 'director': 'Sang-ho Yeon',
  '_id': ObjectId('6380507888b5cf9cd5961266'), 'show_id': 's5979', 'type': 'TV Show', 'title': 'Şubat', 'director': nan, 'cast': 'Alican
  '_id': ObjectId('6380507888b5cf9cd596133e'), 'show_id': 's6195', 'type': 'TV Show', 'title': 'Atomic Puppet', 'director': nan, 'cast':
  '_id': ObjectId('6380507888b5cf9cd5960c7e'), 'show_id': 's4467', 'type': 'Movie', 'title': 'Zokkomon', 'director': 'Satyajit Bhatkal',
  '_id': ObjectId('6380507888b5cf9cd596129f'), 'show_id': 's6036', 'type': 'Movie', 'title': 'A Flying Jatt', 'director': 'Remo D'Souza',
  '_id': ObjectId('6380507888b5cf9cd59613c1'), 'show_id': 's6326', 'type': 'Movie', 'title': 'Black Panther', 'director': 'Ryan Coogler',
  '_id': ObjectId('6380507888b5cf9cd59616aa'), 'show_id': 's7071', 'type': 'Movie', 'title': 'Indiana Jones and the Kingdom of the Cryst
  '_id': ObjectId('6380507888b5cf9cd59617e2'), 'show_id': 's7383', 'type': 'TV Show', 'title': 'Maharakashak: Aryan', 'director': nan, 'ca
  '_id': ObjectId('6380507888b5cf9cd596182a'), 'show_id': 's7455', 'type': 'Movie', 'title': 'Midnight Special', 'director': 'Jeff Nichol
  '_id': ObjectId('6380507888b5cf9cd5961bf3'), 'show_id': 's8424', 'type': 'TV Show', 'title': 'The Minimighty Kids', 'director': nan, 'c
  '_id': ObjectId('6380507888b5cf9cd5961cf3'), 'show_id': 's8680', 'type': 'TV Show', 'title': 'ViR: The Robot Boy', 'director': nan, 'ca
  '_id': ObjectId('6380507888b5cf9cd5961c7b'), 'show_id': 's8560', 'type': 'Movie', 'title': 'The Witch Files', 'director': 'Kyle Rankin

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movies2000 = db.DisneyPlus.find({"type" : "MOVIE", 'release_year' : {'$gte' : 2000}, 'imdb_score' : {'$gt' : 7.5}}, {'title' : 1, 'runtime' :

for movie in movies2000:
    print(movie)

{'_id': ObjectId('638057fb88b5cf9cd596eb91'), 'title': 'Remember the Titans', 'runtime': 113, 'genres': "['drama', 'sport']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec2d'), 'title': 'Fantastic Mr. Fox', 'runtime': 87, 'genres': "['animation', 'family', 'comedy']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec51'), 'title': 'Finding Nemo', 'runtime': 100, 'genres': "['animation', 'family', 'comedy']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec6b'), 'title': 'Tangled', 'runtime': 100, 'genres': "['animation', 'romance', 'comedy', 'fami']"}
{'_id': ObjectId('638057fb88b5cf9cd596ee24'), 'title': 'Star Wars: The Force Awakens', 'runtime': 135, 'genres': "['sci-fi', 'fantasy']"}
{'_id': ObjectId('638057fb88b5cf9cd596ef99'), 'title': 'Surviving the Mount St. Helens Disaster', 'runtime': 45, 'genres': "['document']"}
{'_id': ObjectId('638057fb88b5cf9cd596efb5'), 'title': 'Arendelle Castle Yule Log', 'runtime': 180, 'genres': "['animation', 'drama']"}
{'_id': ObjectId('638057fb88b5cf9cd596efd'), 'title': 'Summer of Soul (...Or, When the Revolution Could Not Be Televised)', 'runtime': 160, 'genres': "['document']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec2b'), 'title': 'Avatar', 'runtime': 165, 'genres': "['fantasy', 'sci-fi', 'action']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec36'), 'title': 'Iron Man', 'runtime': 125, 'genres': "['action', 'sci-fi']"}
{'_id': ObjectId('638057fb88b5cf9cd596eca2'), 'title': 'Oceans', 'runtime': 84, 'genres': "['documentation', 'family', 'drama', 'euro']"}
{'_id': ObjectId('638057fb88b5cf9cd596ed5e'), 'title': 'Wreck-It Ralph', 'runtime': 120, 'genres': "['comedy', 'animation', 'family']"}
{'_id': ObjectId('638057fb88b5cf9cd596ec2a'), 'title': 'Pirates of the Caribbean: The Curse of the Black Pearl', 'runtime': 143, 'gen
{'_id': ObjectId('638057fb88b5cf9cd596ecd2'), 'title': 'The Pixar Story', 'runtime': 87, 'genres': "['documentation']"}
{'_id': ObjectId('638057fb88b5cf9cd596ed59'), 'title': 'X-Men: First Class', 'runtime': 131, 'genres': "['action', 'sci-fi']"}
{'_id': ObjectId('638057fb88b5cf9cd596ed5a'), 'title': 'The Avengers', 'runtime': 143, 'genres': "['sci-fi', 'action']"}

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for movie in pg13:
    print(movie)
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```
= db DisneyPlus aggregate(nipeline = nipeline)
```

```
{ '_id': 'TV-14', 'avgIMDB': 7.329268292682927, 'avgTMDB': 8.229268292682926 }
{ '_id': 'TV-Y', 'avgIMDB': 6.459999999999999, 'avgTMDB': 7.3225 }
{ '_id': 'G', 'avgIMDB': 6.401515151515151, 'avgTMDB': 6.6238636363636365 }
{ '_id': 'TV-PG', 'avgIMDB': 7.275342465753425, 'avgTMDB': 7.491780821917808 }
{ '_id': 'TV-Y7', 'avgIMDB': 6.680000000000001, 'avgTMDB': 7.506666666666666 }
```

```
{ '_id': 'TV-MA', 'avgIMDB': 7.683333333333334, 'avgTMDb': 7.449999999999999 }
{ '_id': 'PG-13', 'avgIMDB': 7.055172413793103, 'avgTMDb': 7.081609195402299 }
{ '_id': 'TV-G', 'avgIMDB': 6.665822784810127, 'avgTMDb': 7.555696202531645 }
{ '_id': 'PG', 'avgIMDB': 6.356357388316152, 'avgTMDb': 6.621305841924398 }
```

```
query = {
  "description" : {"$regex" : r'teen'}
}
```

```
replace = {
  '$set' : {"description" : "Just another teen movie"}
}
```

```
updateDesc = db.Hulu.update_many(query, replace)
```

```
print(updateDesc.modified_count)
```

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