

## Edureka Node.JS Certification Training Module 4 Assignment

Create a collection called “**movies**” and perform the queries listed below:

1) **Add 5 movies** to the collection, every movie document should include the following properties:  
**name, genre, rating (out of 10) and language**

```
> use db_edureka
switched to db db_edureka
> db.movies.insertMany(
... [
...   {
...     "name": "Black Panther",
...     "language": "ENGLISH",
...     "rate": 9,
...     "genre": "Action Adventure Fantasy",
...     "imageUrl": "https://image.ibb.co/f0hhZc/bp.jpg"
...   },
...   {
...     "name": "Death Wish",
...     "language": "ENGLISH",
...     "genre": "Action Crime Thriller",
...     "rate": 6,
...     "imageUrl": "https://image.ibb.co/gC9PfH/dw.jpg"
...   },
...   {
...     "name": "Coco",
...     "language": "ENGLISH",
...     "genre": "Adventure Animation Family",
...     "rate": 10,
...     "imageUrl": "https://image.ibb.co/dQwWSx/coco.jpg"
...   },
...   {
...     "name": "Avengers",
...     "language": "ENGLISH",
...     "genre": "Action",
...     "rate": 4,
...     "imageUrl":
"https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2018/04/01/Pictures/_46a0b2c0-3590-11e8-8c5f-3c6cc031651e.jpg"
...   },
...   {
...     "name": "Black Friday",
...     "language": "ENGLISH",
...     "rate": 9,
...     "genre": "Action Adventure Fantasy",
...     "imageUrl": "https://image.ibb.co/f0hhZc/bp.jpg"
...   }
... ])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5d35d98b23ef97f85691a15c"),
    ObjectId("5d35d98b23ef97f85691a15d"),
    ObjectId("5d35d98b23ef97f85691a15e"),
```

```

        ObjectId("5d35d98b23ef97f85691a15f"),
        ObjectId("5d35d98b23ef97f85691a160")
    ]
}

```

## 2) Write a query that returns all the movies

```

> show collections
movies
> db.movies.find()
{ "_id" : ObjectId("5d35d98b23ef97f85691a15c"), "name" : "Black Panther",
  "language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
  "imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a15d"), "name" : "Death Wish",
  "language" : "ENGLISH", "genre" : "Action Crime Thriller", "rate" : 6,
  "imageUrl" : "https://image.ibb.co/gC9PfH/dw.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
  "ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
  "https://image.ibb.co/dQwWSx/coco.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a15f"), "name" : "Avengers",
  "language" : "ENGLISH", "genre" : "Action", "rate" : 4, "imageUrl" :
  "https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2018/04/01/Pictures/_46a0b2c0-3590-11e8-8c5f-3c6cc031651e.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" : "Black Friday",
  "language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
  "imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg" }

```

## 3) Write a query to find anyone **movie name** using **findOne** method (Do not use limit() method)

```

> db.movies.findOne({"name" : "Avengers"})
{
  "_id" : ObjectId("5d35d98b23ef97f85691a15f"),
  "name" : "Avengers",
  "language" : "ENGLISH",
  "genre" : "Action",
  "rate" : 4,
  "imageUrl" :
  "https://www.hindustantimes.com/rf/image_size_960x540/HT/p2/2018/04/01/Pictures/_46a0b2c0-3590-11e8-8c5f-3c6cc031651e.jpg"
}

```

## 4) Write a query that returns the three highest rated movies

```

> db.movies.find().sort({"rate" : -1}).limit(3)
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
  "ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
  "https://image.ibb.co/dQwWSx/coco.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a15c"), "name" : "Black Panther",
  "language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
  "imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" : "Black Friday",
  "language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
  "imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg" }

```

5) Add a key called **achievements** in any two documents. One document should have **'Super hit'** and other should have **'Super Duper Hit'** as value to key achievements. This task should be performed in two ways i. Using **update()** method ii. Using **save()** method

```
> db.movies.find( {"name" : "Coco"} )
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
"ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
"https://image.ibb.co/dQwWSx/coco.jpg" }
> db.movies.update(
... {"name" : "Coco"},
... {
...   $set: {
...     "achievements" : "Super hit"
...   }
... })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.movies.find( {"name" : "Coco"} )
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
"ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
"https://image.ibb.co/dQwWSx/coco.jpg", "achievements" : "Super hit" }
> db.movies.save( { "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" :
"Black Friday", "language" : "ENGLISH", "rate" : 9, "genre" : "Action
Adventure Fantasy", "imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg",
"achievements" : "Super Duper Hit" } )
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.movies.find( {"name" : "Black Friday"} )
{ "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" : "Black Friday",
"language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
"imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg", "achievements" : "Super
Duper Hit" }
```

6) Write a query that returns all the movies that have both the **'Super hit'** and the **'Super Duper hit'** achievements

```
> db.movies.find({
  "achievements" : { $in: ["Super hit", "Super Duper Hit"] }
})
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
"ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
"https://image.ibb.co/dQwWSx/coco.jpg", "achievements" : "Super hit" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" : "Black Friday",
"language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
"imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg", "achievements" : "Super
Duper Hit" }
```

7) Write a query that returns only those movies that have achievement

```
> db.movies.find( { "achievements": { $exists: true } } )
{ "_id" : ObjectId("5d35d98b23ef97f85691a15e"), "name" : "Coco", "language" :
"ENGLISH", "genre" : "Adventure Animation Family", "rate" : 10, "imageUrl" :
"https://image.ibb.co/dQwWSx/coco.jpg", "achievements" : "Super hit" }
{ "_id" : ObjectId("5d35d98b23ef97f85691a160"), "name" : "Black Friday",
"language" : "ENGLISH", "rate" : 9, "genre" : "Action Adventure Fantasy",
"imageUrl" : "https://image.ibb.co/f0hhZc/bp.jpg", "achievements" : "Super
Duper Hit" }
```