Module04 - MongoDB Queries

```
test> use Edureka
switched to db Edureka
Edureka> db.createCollection("Movies")
{ ok: 1 }
```

1.Add 5 movies to the collection

```
Edureka>
db.Movies.insertMany([{Name:"Avatar",Rating:"7.9",Genre:"Action,Adventure
",Language:"English"},
{Name:"The
Avengers",Rating:"8.1",Genre:"Action,Thriller",Language:"English"},
{Name:"The Wolf of Wall
Street",Rating:"8.2",Genre:"Biography",Language:"English"},
{Name:"KGF",Rating:"8.4",Genre:"Action,Drama",Language:"Hindi"},
{Name:"Black panther",Rating:"8.9",Genre:"Sci-
Fi,Adventure",Language:"English"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6302260ffe1735e60672c40d"),
    '1': ObjectId("6302260ffe1735e60672c40e"),
    '2': ObjectId("6302260ffe1735e60672c40f"),
    '3': ObjectId("6302260ffe1735e60672c410"),
    '4': ObjectId("6302260ffe1735e60672c411")
  }
}
```

2.Query that returns all the movies

```
Edureka> db.Movies.find()
[
  {
    _id: ObjectId("6302260ffe1735e60672c40d"),
    Name: 'Avatar',
    Rating: '7.9',
    Genre: 'Action,Adventure',
    Language: 'English'
  },
  {
    _id: ObjectId("6302260ffe1735e60672c40e"),
    Name: 'The Avengers',
    Rating: '8.1',
    Genre: 'Action,Thriller',
    Language: 'English'
  },
  {
    _id: ObjectId("6302260ffe1735e60672c40f"),
    Name: 'The Wolf of Wall Street',
    Rating: '8.2',
    Genre: 'Biography',
    Language: 'English'
  },
  {
    _id: ObjectId("6302260ffe1735e60672c410"),
    Name: 'KGF',
    Rating: '8.4',
    Genre: 'Action,Drama',
```

```
      Language: 'Hindi'
    },
    {
      _id: ObjectId("6302260ffe1735e60672c411"),
      Name: 'Black panther',
      Rating: '8.9',
      Genre: 'Sci-Fi,Adventure',
      Language: 'English'
    }
]
```

```
Edureka> db.Movies.findOne({Name:'KGF'})
{
  _id: ObjectId("6302260ffe1735e60672c410"),
  Name: 'KGF',
  Rating: '8.4',
  Genre: 'Action,Drama',
  Language: 'Hindi'
}
```

```
Edureka> db.Movies.find().sort({Rating:"-1"}).limit(3)
[
  {
    _id: ObjectId("6302260ffe1735e60672c411"),
    Name: 'Black panther',
    Rating: '8.9',
    Genre: 'Sci-Fi,Adventure',
    Language: 'English'
  },
  {
    _id: ObjectId("6302260ffe1735e60672c410"),
    Name: 'KGF',
    Rating: '8.4',
    Genre: 'Action,Drama',
    Language: 'Hindi'
  },
  {
    _id: ObjectId("6302260ffe1735e60672c40f"),
    Name: 'The Wolf of Wall Street',
    Rating: '8.2',
    Genre: 'Biography',
    Language: 'English'
  }
]
```

```
Edureka> db.Movies.update({Name:"KGF"},{$set:{Achievements:"Super hit"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne,
updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
```

```
}
Edureka> db.Movies.find({Name:"KGF"})
[
  {
    _id: ObjectId("6302260ffe1735e60672c410"),
    Name: 'KGF',
    Rating: '8.4',
    Genre: 'Action,Drama',
    Language: 'Hindi',
    Achievements: 'Super hit'
  }
]

Edureka> db.Movies.replaceOne({_id: ObjectId("6302260ffe1735e60672c40e"),
Name:"The Avengers",Rating:"8.1",
Genre:"Action,Thriller",Language:"English",Achievements:"Super Duper
Hit"})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}


Edureka> db.Movies.replaceOne({Name:"The Avengers"},{_id:
ObjectId("6302260ffe1735e60672c40e"),
Name:"The Avengers",Rating:"8.1",Genre:"Action,Thriller",
Language:"English",Achievements:"Super Duper Hit"})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Edureka> db.Movies.find({Name:"The Avengers"})
[
  {
    _id: ObjectId("6302260ffe1735e60672c40e"),
    Name: 'The Avengers',
    Rating: '8.1',
    Genre: 'Action,Thriller',
    Language: 'English',
    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

```
Edureka> db.Movies.find({Achievements:{$in:["Super hit","Super Duper
Hit"]}})
[
  {
    _id: ObjectId("6302260ffe1735e60672c40e"),
    Name: 'The Avengers',
    Rating: '8.1',
```

```
      Genre: 'Action,Thriller',
      Language: 'English',
      Achievements: 'Super Duper Hit'
    },
    {
      _id: ObjectId("6302260ffe1735e60672c410"),
      Name: 'KGF',
      Rating: '8.4',
      Genre: 'Action,Drama',
      Language: 'Hindi',
      Achievements: 'Super hit'
    }
]
```

7.Write a query that returns only those movies that have achievements

```
Edureka> db.Movies.find({Achievements:{$exists: true}})
[
    {
      _id: ObjectId("6302260ffe1735e60672c40e"),
      Name: 'The Avengers',
      Rating: '8.1',
      Genre: 'Action,Thriller',
      Language: 'English',
      Achievements: 'Super Duper Hit'
    },
    {
      _id: ObjectId("6302260ffe1735e60672c410"),
      Name: 'KGF',
      Rating: '8.4',
      Genre: 'Action,Drama',
      Language: 'Hindi',
      Achievements: 'Super hit'
    }
]
Edureka>
```