

Assignment-2 (Mongo Queries an Output)

1. Show only the titles of the movies that are rated PG and have exactly 10 award nominations.

```
> use video
switched to db video
> db.movieDetails.find({"rated":"PG","awards.nominations":10},{"title":1,"_id":0})
{ "title" : "The Adventures of Sharkboy and Lavagirl 3-D" }
{ "title" : "Honey I Blew Up the Kid" }
{ "title" : "Au Revoir Les Enfants" }
>
```

2. How many movies have exactly 2 award wins and 2 award nominations?

```
>
> db.movieDetails.find({"awards.wins": 2,"awards.nominations":2}).count()
12
>
```

3. Find the imdb rating for the movie that lists just two writers: "Ethan Coen" and "Joel Coen", in that order.

```
>
> db.movieDetails.find({"writers":["Ethan Coen","Joel Coen"]},{"imdb.rating":1,"_id" :0})
{ "imdb" : { "rating" : 8.2 } }
>
```

4. How many movies list "Family" among its genres?

```
>
> db.movieDetails.find({"genres" : "Family"}).count()
124
>
```

5. How many movies list "Western" second among its genres?

```
>
>
> db.movieDetails.find({"genres.1" : "Western"}).count()
14
>
```

6. Find the title and the plot for each movie that has an imdb rating greater than 9 and the plot field is not null.

```
24 > db.movieDetails.find({"imdb.rating" : {$gt :9},"plot" :{$ne : null}},{"title" :1,"plot" :1,"_id" :0}).pretty()
{
  "title" : "DP Fantasies 2",
  "plot" : "A series of five 25-minute scenes of various British women enjoying 2 men at once."
}
{
  "title" : "Liverpool FC: Champions of Europe 2005",
  "plot" : "At the start of the season there was a nervous excitement at Anfield. With a new manager and some potentially excellent signings Liverpool looked to improve on t
}
>
```

7. Show the leading actor (the first element of the array “actors”) of each movie that lists "Ethan Coen" or "Joel Coen" among their writers.

```
@(shell):1:121
> db.movieDetails.aggregate([
... {$match : {"writers" : {$in : ["Ethan Coen", "Joel Coen"]}}},
... {$project : {"_id" : 0 , "actors" : {$slice : ["$actors",0,1]}
... }}
... ])
{ "actors" : [ "Jeff Bridges" ] }
{ "actors" : [ "Tommy Lee Jones" ] }
{ "actors" : [ "Florence Muller" ] }
>
```