1. **Demonstrate the usage of $match, $group, aggregate pipelines.**

db.movies.aggregate([{ $group : {\_id : "$Genre", avg\_rating : {$avg : "$imdb\_rating"}}}]).pretty()

db.movies.aggregate([ { $match :{ Genre : "Drama"}}]).pretty()

db.movies.aggregate([{ $match: {Genre: "Suspense"}}, { $group : {\_id: "$movie\_name", avg\_imdb\_rating: { $avg : "$imdb\_rating"}}}])

2. **Demonstrate the Map-Reduce aggregate function on this dataset.**

var mapper = function(){emit(this.Genre,this["Feedback"])}

> var reduce = function(Genre,Feedback){return Array.sum(Feedback)}

> db.movies.mapReduce(mapper,reduce, {out : "Feedbackout"})

{ "result" : "Feedbackout", "ok" : 1 }

> db.Feedbackout.find().pretty()

3. **Count the number of Movies which belong to the thriller category and find out the total number of positive reviews in that category**

db.movies.aggregate([{ $group : {\_id : { Genre : "Thriller"}, "Total Positive Reviews" : {$sum : "$Feedback"}}}])

4. **Group all the records by genre and find out the total number of positive feedbacks by genre**

db.movies.aggregate([{ $group : {\_id : "$Genre", "Total Positive Reviews" : {$sum : "$Feedback"}}}]).pretty()