MongoDB Basics

1. Create a collection called 'games'. We're going to put some games in it.

Ans=> use games

2. Add 5 games to the database. Give each document the following properties: name, genre, rating (out of 100)

```
Ans=>
db.games.save({ name: "Spy Hunter", genre: "Racing", rating: 76});
db.games.save({ name: "Mario Kart 64", genre: "Racing", rating: 96});
db.games.save({ name: "Tetris", genre: "Puzzle", rating: 83});
db.games.save({ name: "Mega Man 5", genre: "Platformer", rating: 81});
db.games.save({ name: "Star Fox", genre: "Action", rating: 71});
```

3. Query to return all games

Ans=> db.games.find()

4. Query to format pretty

Ans=>
Db.games.pretty()

5. Query to find one

```
Ans=> db.games.findOne({name:"Mario Kart 64"})
```

6. Query to find top 3 highest rated games

```
Ans=> db.games.find().limit(3).sort({'rating': -1})
```

7. Update your two favorite games to have two achievements called 'Game Master' and 'Speed Demon' by two methods.

```
Javascript to update
```

```
var g = db.games.findOne({'name':'Mega Man 5'})
g.achievements = []
g.achievements.push({'name':'Defeat Two Wheeler','points':200})
g.achievements.push({'name':'Beat the game','points':1200})
db.games.save(g)
```

Other way: because it's javascript, there are any number of steps they can take. Just want them to use save()

```
var g = db.games.findOne({'name':'Mega Man 5'}) g.achievements = []
g.achievements.push({'name':'Defeat Two Wheeler','points':200})
g.achievements.push({'name':'Beat the game','points':1200}) db.games.save(g)
```

8. query that returns all the games that have both the 'Game Master' and the 'Speed Demon' achievements.

```
Ans=> db.games.find({achievement: {$all: ['Game Master', 'Speed Demon']}});
```

9. query that returns only games that have achievements

```
Ans=> db.games.find({ achievements: {$elemMatch: {}}}
```

Screenshots for reference: