**MONGODB ASSIGNMENTS**

**MongoDB assessment 1**

**Inserting Documents** :

mongo "mongodb+srv://cluster0.ievy3.mongodb.net/myFirstDatabase" --username Ravivarma

use mongo\_practice

db.createCollection('movies')

db.movies.insertMany([{title: "Pulp Fiction", writer: "Quentin Tarantino", year:1994, actor: ["john Travolta","Uma Thurman" ]},{title : "Inglorious Basterds", writer: "Quentin Tarantino", year: 2009, actor: ["Brad Pitt", "Diane Kruger", "Eli Roth" ]},{title: "The Hobbit: An Unexpected Journey", writer: "J.R.R. Tolkein", year: 2012, franchise: "The Hobbit"},{title: "The Hobbit: The Desolation of Smaug", writer: "J.R.R. Tolkein", year: 2013, franchise: "The Hobbit"},{title: "The Hobbit: The Battele of the Five Armies", writer: "J.R.R. Tolkein", year: 2012, franchise: " The Hobbit", synopsis: "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into thehands of a rising darkness."},{title: "Pee Wee Herman's Big Adventure"}, {title: "Avatar"}])

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**Find Documents:**

db.movies.find().pretty()

db.movies.find({writer: "Quentin Tarantino"}).pretty()

db.movies.find({actor: "Brad Pitt"}).pretty()

db.movies.find({franchise: "The Hobbit"}).pretty()

db.movies.find( { $and:[ {year: {$gt:1989}}, {year: {$lt: 2000}} ] }

db.movies.find( {year: {$gt:2010}} ,{\_id:0, title:1}).pretty()

db.movies.find( {year: {$lt:2000}}

db.movies.find({ $or: [{ year: { $lt: 2000 } }, { year: { $gt: 2010 } }] }).pretty()

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**Update Documents:**

db.movies.update({title: "The Hobbit: An Unexpected Journey"},{$set:{synopsis: "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim thier mountain home - and the gold within it -from the dragon Smaug"}})

db.movies.update({title: "The Hobbit: The Desolation of Smaug"},{$set:{synopsis: "The dwarves alaong with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious aand magical ring"}})

db.movies.update({title: "Pulp Fiction"},{$push: {actor: "Samuel L. Jackson"}})

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db.movies.find({ synopsis: /Bilbo/g }).pretty()

db.movies.find({ synopsis: /Gandalf/g }).pretty()

db.movies.find({ $and: [{ synopsis: /Bilbo/g }, { synopsis: { $not: /Gandalf/g } }] }).pretty()

db.movies.find({ synopsis: /(dwarves|hobbit)/g }).pretty()

db.movies.find({ synopsis: /(gold.\*dragon|dragon.\*gold)/g }).pretty()

db.movies.deleteMany({ title: "Pee Wee Herman's Big Adventure" })

db.movies.deleteMany({ title: "Avatar" })

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db.users.insertMany([{username:"GoodGuyGrey", first\_name:"Good Guy", last\_name:"Grey"},{username: "ScumbagSteve", fullname:{first: "Scumbag", last:"steve"}}])

db.createCollection('posts')

db.posts.insertMany([{\_id:1,username: "GoodGuyGreg", title: "Passes out at party", body: "Wakes up early and cleans house"},{\_id:2,username: "GoodGuyGreg", title: "Steals your identity",body: "Raises your credit score"}, {\_id:3,username:"GoodGuyGreg", title : "Reports a bug in your code", body :"Sends you a Pull Request"},{\_id:4,username:"ScumbagSteve",title:"Borrows something", body:"Sells it"},{\_id:5,username:"ScumbagSteve",title:"Borrows everthing",body:"The end"},{\_id:6,username: "ScumbagSteve",title:"Forks your repo on github",body:"Sets to private" }])

**db.createCollection('comments')**

db.comments.insertMany([{username:"GoodGuyGreg",comment:"Hope you got a good deal!",post:4},{username: "GoodGuyGrey", comment :"What's mini is yours", post:5},{username:"GoodGuyGrey",comment:"Don't violate the licensing agreement!", post:6},{username:"ScumbagSteve",comment: "it still isn't clean", post:1},{username:"ScumbagSteve",comment:"Denied your PR cause I found a hack", post:3}])

db.users.find().pretty()

db.posts.find().pretty()

db.posts.find({ username: 'GoodGuyGreg' }).pretty()

db.posts.find({ username: 'ScumbagSteve'}).pretty()

db.comments.find().pretty()

db.comments.find({ username: 'GoodGuyGreg' }).pretty()

db.comments.find({post:db.posts.findOne({title:"Reports a bug in your code"}).\_id})