Insert the following documents into a movies collection.

```
db.movies.insertMany(
       title:"Fight Club",
       writer: "Chuck Plahniuk",
       year:1999,
       actors:["Brad Pitt","Edward Norton"]
       },
       title:"Pulp Fiction",
       writer:"Quentin Tarantino",
       year:1994,
       actors:["BJohn Travolta","Uma Thurman"]
       },
       title:"Inglorious Basterds",
       writer: "Quentin Tarantino",
       year:2009,
       actors:["Brad Pitt","Diane Kruger","Eli Roth"]
       },
       title: "The Hobbit: An Unexpected Journey",
       writer: "J.R.R. Tolkein",
       year:2012,
       actors:["Brad Pitt","Diane Kruger","Eli Roth"]
       },
       title: "The Hobbit: The Desolation of Smaug",
       writer: "J.R.R. Tolkein",
       year: 2013,
       franchise: "The Hobbit"
       },
       title: "The Hobbit: The Battle 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 the hands of a rising darkness.
       },
       title: "Pee Wee Herman's Big Adventure"
```

```
},
{
title :"Avatar"
}
]
```

1.Get all documents

```
db.movies.find().pretty()
       "_id" : ObjectId("611e6e8c67a927d4d9f37795"),
       "title" : "Fight Club",
"writer" : "Chuck Plahniuk",
       "year" : 1999,
       "actors" : [
                 "Brad Pitt",
                 "Edward Norton"
       ]
       " id" : ObjectId("611e6e8c67a927d4d9f37796"),
       "title" : "Pulp Fiction",
"writer" : "Quentin Tarantino",
       "year" : 1994,
       "actors" : [
                "BJohn Travolta",
                 "Uma Thurman",
                 "Samuel L. Jackson"
       ]
       "_id" : ObjectId("611e6e8c67a927d4d9f37797"),
       "title" : "Inglorious Basterds",
"writer" : "Quentin Tarantino",
"year" : 2009,
       "actors" : [
                 "Brad Pitt",
                 "Diane Kruger",
                 "Eli Roth"
```

2.Get all documents with writer set to "Quentin Tarantino"

```
db.movies.find({writer:{$eq:"Quentin Tarantino"}}).pretty()
{
    "_id" : ObjectId("611e6e8c67a927d4d9f37796"),
    "title" : "Pulp Fiction",
    "writer" : "Quentin Tarantino",
    "year" : 1994,
    "actors" : [
        "BJohn Travolta",
        "Uma Thurman",
        "Samuel L. Jackson"
]
}
{
    "_id" : ObjectId("611e6e8c67a927d4d9f37797"),
    "title" : "Inglorious Basterds",
    "writer" : "Quentin Tarantino",
    "year" : 2009,
    "actors" : [
        "Brad Pitt",
        "Diane Kruger",
        "Eli Roth"
]
}
```

3.Get all documents where actors include "Brad Pitt"

```
db.movies.find({actors:{$in:["Brad Pitt"]}}).pretty()
       " id" : ObjectId("611e6e8c67a927d4d9f37795"),
      "title" : "Fight Club",
       "writer" : "Chuck Plahniuk",
       "year" : 1999,
      "year".
"actors" : [
"Brad Pitt",
                "Edward Norton"
       " id" : ObjectId("611e6e8c67a927d4d9f37797"),
      "title" : "Inglorious Basterds",
"writer" : "Quentin Tarantino",
       "year" : 2009,
       "actors" : [
                "Brad Pitt",
                "Diane Kruger",
                "Eli Roth"
       " id" : ObjectId("611e6e8c67a927d4d9f37798"),
      "title" : "The Hobbit: An Unexpected Journey", "writer" : "J.R.R. Tolkein",
       "year" : 2012,
       "actors" : [
                "Brad Pitt".
```

4.Get all documents with franchise set to "The Hobbit"

```
b db.movies.find({franchise:{$eq:"The Hobbit"}}).pretty()
{
    "_id" : ObjectId("611e6e8c67a927d4d9f3779a"),
    "title" : "The Hobbit: An Unexpected Journey",
    "writer" : "J.R.R. Tolkein",
    "year" : 2012,
    "franchise" : "The Hobbit"
}
{
    "_id" : ObjectId("611e6e8c67a927d4d9f3779b"),
    "title" : "The Hobbit: The Desolation of Smaug",
    "writer" : "J.R.R. Tolkein",
    "year" : 2013,
    "franchise" : "The Hobbit"
```

5.Get all movies released in the 90s

```
db.movies.find({$or:[{year:{$gt:2010}},{year:{$lt:2000}}})).pretty()
       " id" : ObjectId("611e6e8c67a927d4d9f37795"),
      "title" : "Fight Club",
"writer" : "Chuck Plahniuk",
       "year" : 1999,
      "year".
"actors" : [
"Brad Pitt",
-! Nort
                "Edward Norton"
       "_id" : ObjectId("611e6e8c67a927d4d9f37796"),
      "title" : "Pulp Fiction",
"writer" : "Quentin Tarantino",
       "year": 1994,
       "actors" : [
                "BJohn Travolta",
                "Uma Thurman"
       "_id" : ObjectId("611e6e8c67a927d4d9f37798"),
       "title" : "The Hobbit: An Unexpected Journey'
       "writer" : "J.R.R. Tolkein",
       "year" : 2012,
       "actors" : [
                "Brad Pitt"
```

Update Documents

1 .add a synopsis to "The Hobbit: An Unexpected Journey": "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."

```
> db.movies.update({title:{$eq:"The Hobbit: An Unexpected Journey"}},{$set:{synopsis:"A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

2. add a synopsis to "The Hobbit: The Desolation of Smaug": "The dwarves, along 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 and magical ring."

```
> db.movies.update({'title':{$eq:"The Hobbit: The Desolation of Smaug"}},{$set:{synopsis:"The dwarves, along with Bilbo Baggins and Gandalf e their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring."}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

```
db.movies.find({synopsis:{$exists:true}}).pretty()
         " id" : ObjectId("611e6e8c67a927d4d9f37798"),
         "title" : "The Hobbit: An Unexpected Journey", "writer" : "J.R.R. Tolkein",
         "year" : 2012,
         "actors" : [
                  "Brad Pitt",
                  "Diane Kruger",
                  "Eli Roth"
         ],
"synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a
 the gold within it - from the dragon Smaug."
         " id" : ObjectId("611e6e8c67a927d4d9f3779b"),
         "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R. Tolkein",
        "year" : 2013,
"franchise" : "The Hobbit",
"synopsis" : "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue thei
aggins is in possession of a mysterious and magical ring."
         "_id" : ObjectId("611e6e8c67a927d4d9f3779c"),
         "title" : "The Hobbit: The Battle 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 comba
 of a rising darkness."
```

3. add an actor named "Samuel L. Jackson" to the movie "Pulp Fiction"

Text Search

1. find all movies that have a synopsis that contains the word "Bilbo"

```
> db.movies.createIndex({synopsis:"text"})
{
          "numIndexesBefore" : 1,
          "numIndexesAfter" : 2,
          "createdCollectionAutomatically" : false,
          "ok" : 1
}
```

2. find all movies that have a synopsis that contains the word "Gandalf"

3. find all movies that have a synopsis that contains the word "Bilbo" and not the word "Gandalf"

4. find all movies that have a synopsis that contains the word "dwarves" or "hobbit"

```
db.movies.find({$text:{$search:"dwarves hobbit"}}).pretty()
{
    "_id" : ObjectId("611e6e8c67a927d4d9f37798"),
    "title" : "The Hobbit: An Unexpected Journey",
    "writer" : "J.R.R. Tolkein",
    "year" : 2012,
    "actors" : [
        "Brad Pitt",
        "Diane Kruger",
        "Eli Roth"
    ],
    "synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lone of the gold within it - from the dragon Smaug."
}
{
    "_id" : ObjectId("611e6e8c67a927d4d9f3779b"),
    "title" : "The Hobbit: The Desolation of Smaug",
    "writer" : "J.R.R. Tolkein",
    "year" : 2013,
    "franchise" : "The Hobbit",
    "synopsis" : "The dwarves, along with Bilbo Baggins and Gandalf the Gaggins is in possession of a mysterious and magical ring."
}
```

5. find all movies that have a synopsis that contains the word "gold" and "dragon"

Delete Documents

1. delete the movie "Pee Wee Herman's Big Adventure"

```
db.movies.deleteMany({title:{$eq:"Pee Wee Herman's Big Adventure"}})
{ "acknowledged" : true, "deletedCount" : 1 }
```

2. delete the movie "Avatar"

```
> db.movies.deleteMany({title:{$eq:"Avatar"}})
{ "acknowledged" : true, "deletedCount" : 1 }
>
```