Mongo DB – Task

Collection name : film

Data:

[

     {

       "id": 1,

       "title": "Toy Story",

       "director": "John Lasseter",

       "year": 1995,

       "length\_minutes": 81

     },

     {

       "id": 5,

       "title": "Finding Nemo",

       "director": "Andrew Stanton",

       "year": 2003,

       "length\_minutes": 107

     },

     {

       "id": 13,

       "title": "Brave",

       "director": "Brenda Chapman",

       "year": 2012,

       "length\_minutes": 102

     },

     {

       "id": 14,

       "title": "Monsters University",

       "director": "Dan Scanlon",

       "year": 2013,

       "length\_minutes": 110

     },

     {

       "id": 9,

       "title": "WALL-E",

       "director": "Andrew Stanton",

       "year": 2008,

       "length\_minutes": 104

     },

     {

       "id": 10,

       "title": "Up",

       "director": "Pete Docter",

       "year": 2009,

       "length\_minutes": 101

     },

     {

       "id": 12,

       "title": "Cars 2",

       "director": "John Lasseter",

       "year": 2011,

       "length\_minutes": 120

     },

     {

       "id": 6,

       "title": "The Incredibles",

       "director": "Brad Bird",

       "year": 2004,

       "length\_minutes": 116

     },

     {

       "id": 3,

       "title": "Toy Story 2",

       "director": "John Lasseter",

       "year": 1999,

       "length\_minutes": 93

     },

     {

       "id": 4,

       "title": "Monsters, Inc.",

       "director": "Pete Docter",

       "year": 2001,

       "length\_minutes": 92

     },

     {

       "id": 11,

       "title": "Toy Story 3",

       "director": "Lee Unkrich",

       "year": 2010,

       "length\_minutes": 103

     },

     {

       "id": 8,

       "title": "Ratatouille",

       "director": "Brad Bird",

       "year": 2007,

       "length\_minutes": 115

     },

     {

       "id": 2,

       "title": "A Bug's Life",

       "director": "John Lasseter",

       "year": 1998,

       "length\_minutes": 95

     },

     {

       "id": 7,

       "title": "Cars",

       "director": "John Lasseter",

       "year": 2006,

       "length\_minutes": 117

     }

   ]

Question and query

**Find all the information about each film**

Query: db.colllection.find()

**Find the title of each film**

Query: db.film.find({},{"title":1})

**Find the director of each film**

Query: db.film.find({},{"director":1})

**Find the title and director of each film**

Query: db.film.find({},{"title":1,"director":2});

**Find the title and year of each film**

Query: db.film.find({},{"title":1,"year":2});

**Find the movie with a row id of 6**

Query: db.film.find({"id":6},{"title":1});

**Find the movies released in the years between 2000 and 2010**

Query: db.film.find({"year":$gt:2000,"year":$lt:2010},{"title":1});

**Find the movies not released in the years between 2000 and 2010**

Query: db.film.find({"year":{$ne:2000},"year":{$ne:2010}},{"title":1});

**Find the first 5 Pixar movies and their release year**

Query: db.film.find({},{"title":1,"year":2}).limit(5);

**Find all the Toy Story movies**

Query: db.film.find({"title":/Toy Story/},{"title":1,"year":2});

**Find all the movies directed by John Lasseter**

Query: db.film.find({"director":"John Lasseter"},{"title":1,"year":2});

**Find all the movies (and director) not directed by John Lasseter**

Query: db.film.find({"director":{$ne:"John Lasseter"}},{"title":1,"year":2});

**Find all the WALL-\* movies**

Query: db.film.find({"title":/WALL/},{"title":1,"year":2});

**List the last four Pixar movies released (ordered from most recent to least)**

Query: db.film.find({},{"title":1,"year":2}).sort({"year":-1}).limit(5);

**List the first five Pixar movies sorted alphabetically**

Query: db.film.find({},{"title":1,"year":2}).sort({"title":1}).limit(5);

**List the next five Pixar movies sorted alphabetically**

Query: db.film.find({},{"title":1,"year":2}).sort({"title":1}).limit(5).skip(5);