- Exstamantial: 1, name: 1, borough: 1, custom: 13); db. Estamat And ( & son: [ ? cuisne: [ \$ non: [ "American", "Cliner I)), 1 Enam: { \$ x you: 1 / 25 1 3 ]
- the 2nd demonstration of the condition of the 2nd demonstration of the 82) db. xatamants. And ( ? "grades": { \$con. Hath: { grade : A , Scou : 11,
  - 23) db. restamant And (f. grader 1': { grade: "A", Scare: 9, date: Isobate
  - 84) db. sataman. And [ ?" addien. coord . 1": { \$96: 42, \$16: 52 } }, Exsternat id: 1, name: 1, oddien: 1, 'addien coold ": 13);
  - ( b) db restament. And(). Sat ( E name: 13);
  - Qb) db. restaments And (). sat (fram: -13);
  - (1) db sestament. And (). Sout ( ) cuism: 1, basage: -13).
  - QE) db. scs tomart And & addien street "; { fexists: tous } };
  - (ga) do solomant. And ( ? "addien coard": ? stype "double : 3 f);
- 3, Exstamatid 1, same 1, ged :15),

- 11100:00:00Z" the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-3. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where
- those restaurants where 2nd element of coord array contains a value which is more than 42 and 4. Write a MongoDB query to find the restaurant Id, name, address and geographical location for
- 5. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns
- the columns. Write a MongoDB query to arrange the name of the restaurants in descending along with all

7. Write a MongoDB query to arranged the name of the custine in ascending order and for that

- same cuisine borough should be in descending order.
- Write a MongoDB query to know whether all the addresses contains the street or not.

- 000 db sextamant And ( & name: Essager: /mail 1 } } I many: 1, bosought: 1, "addiest coward": 1, autino: 13);
- 000
- (hrib
- 200
- (16) db xsbamat And (f "glades.same": 2816:53
- (418)
- QE) db. xxtom ats And ( { grades: { sall: [ 2 & climarch: { score: 2} } },
- (19) db- restaurants. And ( Egradus: 2 \$all: [ ? felemated:

9. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

restaurants which returns 0 as a remainder after dividing the score by 7. 10. Write a MongoDB query which will select the restaurant Id, name and grades for those

cuisine for those restaurants which contains 'mon' as three letters somewhere in its name. 11. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and

cuisine for those restaurants which contain 'Mad' as first three letters of its name. 12. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and

less than 5. 13. Write a MongoDB query to find the restaurants that have at least one grade with a score of

less than 5 and that are located in the borough of Manhattan 14. Write a MongoDB query to find the restaurants that have at least one grade with a score of

- 220) db restament. And ( ? grades: { stall: [ ? selimated borough: Etm: ["Hashattar", "Brooklyn"] & Escare: 25 g, E felloward: Escare: 6 g g J J J Cuishe: & she: American & ),
- Q2) db. sestament. And (Egralu: E\$ all: [?\$elementd: Escae23],

  { \$elementh: Escae: 63373, boxung: f3th: ["Hashatta",

  Boxung: Sthe: "Amarica", 13th: [?\$elementh: fScae:23],

  3, E\$elementh: And (Escae: 63373,

  boxung: E\$th: ["Amarica", "Corner "733),

  cuistre: E\$th: ["Amarica", "Corner "733);

  802) db sestaments. And (E\$ as: [? 19adu: Sae": 23,

  23, Escae:23]

less than 5 and that are located in the borough of Manhattan or Brooklyn. 15. Write a MongoDB query to find the restaurants that have at least one grade with a score of

less than 5 and that are located in the borough of Manhattan or Brooklyn, and their cuisine is not 16. Write a MongoDB query to find the restaurants that have at least one grade with a score of

17. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan or Brooklyn, and their cuisine is not American or Chinese.

grade with a score of 6. 18. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a

grade with a score of 6 and are located in the borough of Manhattan. 19. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a

grade with a score of 6 and are located in the borough of Manhattan or Brooklyn. 20. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a

grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their 21. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a cuisine is not American.

cuisine is not American or Chinese. grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their 22. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a

with a score of 6. 23. Write a MongoDB query to find the restaurants that have a grade with a score of 2 or a grade

## Sample document of 'movies' collection

```
cast: [
'A.C. Abadie',
                                                                                                                              runtime: 11,
                                                                                                                                                         genres: [ 'Short', 'Western' ],
                                                                                                                                                                                                    plot: 'A group of bandits stage a brazen train hold-up, only to find a determined posse hot on
                                                                                                                                                                                          their heels.',
'Justus D. Barnes'
                     'George Barnes',
                                                 "Gilbert M. Broncho Billy Anderson",
                                                                                                                                                                                                                                             id: ObjectId("573a1390f29313caabcd42e8"),
```

- 2 db. Movia. And (& year: 18935)
- 00 db. moves. And (fourthme: Exgt: 120/3)
- db-movia And ( Igames: "Short")
- 200 db mores. And (2 directors: "William K.L. Dichas." i)
- db. marca. And ( & countries: "(84.3)
- db movies. And [f"indbvotes": [tgt:1000 3])
- Q7) db. moves. And ( fraid: "UNRATED")
- 30 db movies. And ( ? ? modbrashy ": {\$gt : 7 33)
- 99) db moves. And ( ?" tomakes vewer rating": State: 43 49
- Q10) db movies. And ( & "awand worns": Edgt: 03 y)
- QII) db.maries. And ( ? awards. nomanaturs": ?\$gte:133, { tette: 1, Biguaga: 1, oclosived: 1, directors: 1, wasters: 1 Countries: 13)

poster: https://m.media-

YyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@\_VI\_SY1000\_SX677\_AL\_jpg title: The Great Train Robbery'. amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZD

rob the passengers. They are then pursued by a Sheriff's posse. Several scenes have color presented a narrative story to tell - it depicts a group of cowboy outlaws who hold up a train and included - all hand tinted.", fullplot: "Among the earliest existing films in American cinema - notable as the first film that

released: ISODate("1903-12-01T00:00:00:00.000Z"), directors: [ 'Edwin S. Porter' ]. anguages: [ 'English' ],

rated: TV-G'. lastupdated: '2015-08-13 00:27:59.177000000' awards: { wins: I, nominations: 0, text: 'I win.' },

imdb: { rating: 7.4, votes: 9847, id: 439 }, year: 1903,

countries: [ 'USA' ],

type: 'movie',

viewer: { rating: 3.7, numReviews: 2559, meter: 75 tomatoes:

fresh: 6,

critic: { rating: 7.6, numReviews: 6, meter: 100 },

lastUpdated: ISODate("2015-08-08T19:16:10.000Z"

I. Find all movies with full information from the 'movies' collection that released in the year

2. Find all movies with full information from the 'movies' collection that have a runtime greater than 120 minutes

- (212) db movies And (g cast : "charles Kongres" ).

  Little: 1, languege: 1, ochard: 1, discober: 1,

  worthers: 1, awards: 1, year: 1, gomes: 1, ourthur: 1,

  cast: 1, cantries: 1)
- (13) db. movia. And ( & schaned: 1800ate ( 1893-05-07 T00:00:00:00.

  Etale: 1, language: 1, schaned: 1, dexchar: 1, when: 1,
- Q14) db.movies. And (? title: {\$aeger: "Scene", \$options: "&"]3, ? title: 1, larguage: 1, alaced: 1, directors: 1, writes: 1, Combres: 13).

- 3. Find all movies with full information from the 'movies' collection that have "Short" genre.
- Retrieve all movies from the 'movies' collection that were directed by "William K.L. Dickson" and include complete information for each movie.
- Retrieve all movies from the 'movies' collection that were released in the USA and include complete information for each movie.

Retrieve all movies from the 'movies' collection that have complete information and are rated as "UNRATED".

00 Retrieve all movies from the 'movies' collection that have complete information and have received more than 1000 votes on IMDb.

9 Retrieve all movies from the 'movies' collection that have complete information and have an IMDb rating higher than 7.

10. Retrieve all movies from the 'movies' collection that have complete information and have a viewer rating higher than 4 on Tomatoes.

11. Retrieve all movies from the 'movies' collection that have received an award.

12. Find all movies with title, languages, released, directors, writers, awards, year, genres, runtime, cast, countries from the 'movies' collection in MongoDB that have at least one nomination.

13. Find all movies with title, languages, released, directors, writers, awards, year, genres, runtime, cast, countries from the 'movies' collection in MongoDB with cast including "Charles Kayser".

14. Retrieve all movies with title, languages, released, directors, writers, countries from the 'movies' collection in MongoDB that released on May 9, 1893.

14. Retrieve all movies with title, languages, released, directors, writers, countries from the 'movies' collection in MongoDB that have a word "scene" in the title.

Faculty Signature	Total (15)	Viva(5)	Program/Execution (5)	PL/SQL Procedure(5)	Evaluation Procedure
B	15	5	2	5	Marks awarded