



School/ Department: Computer Science and Engineering

Class: B Tech CSE Jan – May 2023

Section: FS-IV-FA

Subject Name: DBMS

Subject Code: CSL214

Faculty Name: Ms. Kanika Gupta

1. Write a MongoDB query to display all the documents in the collection hotels

```
{
  "address": {
    "building": "1007",
    "coord": [ -73.856077, 40.848447 ],
    "street": "Sector 23 A",
    "zipcode": "110011"
  },
  "borough": "Bronx",
  "cuisine": "Bakery",
  "grades": [
    { "date": { "$date": "2013-09-08T00:00:00Z" }, "grade": "A", "score": 2 },
    { "date": { "$date": "2013-08-27T00:00:00Z" }, "grade": "A", "score": 6 },
    { "date": { "$date": "2013-08-15T00:00:00Z" }, "grade": "A", "score": 10 },
    { "date": { "$date": "2013-07-20T00:00:00Z" }, "grade": "A", "score": 9 },
    { "date": { "$date": "2012-09-15T00:00:00Z" }, "grade": "B", "score": 14 }
  ],
  "name": "Meridian Park Bake Shop",
  "hotel_id": "30075445"
}
```

2. Write a MongoDB query to display the fields hotel_id, name, borough and cuisine for all the documents in the collection hotel.

3. Write a MongoDB query to display the fields hotel_id, name, borough and zip code, but exclude the field _id for all the documents in the collection hotel.
4. Write a MongoDB query to find the hotels that achieved a score, more than 80 but less than 100.
5. Write a MongoDB query to find the hotels that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.
6. Write a MongoDB query to display the next 5 hotels after skipping first 5 which are in the borough Bronx.
7. Write a MongoDB query to arrange the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.
8. Write a MongoDB query to know whether all the addresses contain the street or not.
9. Write a MongoDB query which will select the hotel Id, name and grades for those hotels which returns 0 as a remainder after dividing the score by 7.
10. Write a MongoDB query to find the hotel name, borough, longitude and latitude and cuisine for those hotels which contain 'Mad' as first three letters of its name.