CYCLE SHEET-MONGODB AND APPLICATION DEVELOPMENT

Create the restaurants collection in your DB [DB_regno]

Import the json file to your collection [restaurants.json]

I.   Write mongodb queries to

1. Display all the documents in the collection restaurants.

2. Display the fields restaurant_id, name, borough and cuisine for all the documents in the collection restaurant.

3. Display all the restaurant which is in the borough Bronx.

4. Display the next 5 restaurants after skipping first 5 which are in the borough Bronx.

5. Find the restaurants who achieved a score more than 90.

6. Find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.

7. Find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.

8. Find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronxor Brooklyn.

9. Find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an isodate "2014-08-11T00:00:00Z" among many of survey dates.

10. Arrange the name of the restaurants in descending along with all the columns.

11. 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.

12. 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 cuisine is not American or Chinese.

13. Find the restaurants that have all grades with a score greater than 5 and are located in the borough of Manhattan or Brooklyn.

14. Find the average score for each restaurant.

15. Find the highest score for each restaurant.

16. Find the lowest score for each restaurant.

17. Find the count of restaurants in each borough.

18. Find the count of restaurants that received a grade of 'A' for each borough.

19. Find the lowest score for each borough.

20. Find the name and address of the restaurants that received a grade of 'A' on a specific date.

21. Find the name and address of the restaurants that have the word 'coffee' in their name.

22. Find the cuisine type that is most likely to receive a "C" grade.

23. Find the restaurants that achieved the highest total score.

24. Find the top 5 restaurants with the highest average score for each cuisine type, along with their average scores.

25. Find the top 5 restaurants in each borough with the highest number of "A" grades.

II.   1. Write a Java/PHP program to insert one document in restaurants collection.

2. Write a Java/PHP program to display all the restaurant which is in the borough Bronx.

III. 1. Write a Java/PHP program to display name, email address and address of foreign students only. [from Oracle DB]

2. Write a Java/PHP program to execute the function calculate age (from dob) that you created in Q.NO.12 of PL/SQL and get the age of given student regno and display.