BRAIN INTERNATIONAL SCHOOL

SUBJECT: IP   **CLASS-XI Assignment**

Ch-9: Database Concepts Ch-10: SQL

Q1. Explain the concept of DBMS.

Q2. Write the Features of SQL.

Q3. Explain any 3 features Relational Database Model.

Q4. Define the following keys

     1. Primary Key   2. Candidate Key   3. Alternate Key

Q5. Explain the 4 Datatypes used in MySQL.

Q6. Differentiate between char( ) and Varchar( ) Datatypes.

Q7. Define the following : 1. Degree   2. Cardinality   3. Relation   4. Attribute

Q8. Differentiate between DDL and DML commands.

Q9. Create a database 'School' and add the table 'Student' in it.

Student

RollNo	Name	Gender	Marks	Stream
7	Gurpreet	M	70	Science
9	Shreya	F	60	Commerce
10	Prateek	M	95	Humanities
3	Ankit	M	100	Science
4	Radhika	F	75	Commerce
6	Diksha	F	85	Humanities
8	Payal	F	98	Commerce

1. Insert the above records in the table

2. Add the new column Class

3. Delete the record of Ankit

4. Delete the column Gender

Q10. Create a database 'College' and add the table 'Master' in it.

Master

RollNo	Name	Gender	Marks	Stream
7	Gurpreet	M	70	Science
9	Shreya	F	60	Commerce
10	Prateek	M	95	Humanities
3	Ankit	M	100	Science
4	Radhika	F	75	Commerce
6	Diksha	F	85	Humanities
8	Payal	F	98	Commerce

1. Insert the above records in the table
2. Add the new column Class with data type int(4)
3. Delete the record of Shreya
4. Delete the column Gender
5. Rename the Column stream as Subject
6. Display the distinct subject from the table
7. List the name,gender and marks with marks in Ascending order
8. List the Rollno, names ,class with Roll no in descending order.

Q11.

Write a MySQL query to create the given table (MEMBER)		
Column name	Datatype	Size
ID	Char	6
Name	Varchar	30
Fee	Int	10
DOJ	Date	

Q12. Sunil decides to delete a PhoneNo column from a MySQL Table (student) after insert the data into the table. Write the command to delete that particular column in student table.

Q13. Consider the following EMP table write MYSQL command for (i) to (v)

Eno	Ename	Dept	Salary
1	Mohit	HR	18000
2	Amit	Accounts	40000
3	Priya	Sales	80000
4	Anu	Sales	60000

(i)   To display the name of employees in ascending order of their salary

(ii)   To display the details of all SALES dept employee who are earning salary more than 50000

(iii)   To count distinct department from the table

(iv)   Change the salary of Mohit from 18000 to 20000

(v)   To insert a new row in the table Employee
          5, SUMIT,HR, 40000

(vi)   Display E name and salary with Ename ending with alphabet 'T'

Q14.

Write MYSQL command to create the table ENQUIRY including its constraints

Table : ENQUIRY

Name of column	Type	Size	Constraints
visitorID	Decimal	4	Primary key
visitorName	Varchar	20	
visitorMobile	Char	10	Not null
visitorAddress	Varchar	40	

Q15. Explain the concept of Foreign key with the help of Examples of two tables.

Q16. Define Data Redundancy and Data Integrity.