MySQL is a multithreaded, multi-user SQL database management system which has more than 11 million installations. It is the world's second most popular and widely-used open source database. It is interesting how MySQL name was given to this query language. The term My is coined by the name of the daughter of co-founder Michael Widenius's daughter, and SQL is the short form of Structured Query Language. Using MySQL is free of cost for the developer, but enterprises have to pay a license fee to Oracle.
First of all, the MYSQL server is free to use for developers and small enterprises. • MySQL server is open source. • MySQL's community is tremendous and supportive; hence any help regarding MySQL is resolved as soon as possible. • MySQL has very stable versions available, as MySQL has been in the market for a long time. All bugs arising in the previous builds have been continuously removed, and a very stable version is provided after every update.
A column is a series of cells in a table that stores one value for each row in a table. We can add columns in an existing table using the ALTER TABLE statement as follows: ALTER TABLE table_name ADD COLUMN column_name column_definition [FIRST AFTER existing_column];
We can delete a table in MySQL using the Drop Table statement. This statement removes the complete data of a table, including structure and definition from the database permanently. Therefore, it is required to be careful while deleting a table. After using the statement, we cannot recover the table in MySQL.

5. How to rename the database name?	SQL RENAME DATABASE used to change the name of your database. Query: RENAME DATABASE old_database_name TO new_database_name;
6. How to create SQL a table?	A table creation command requires three things:
7. How to SQL Insert values?	Insert statement is used to insert values inside the tables. INSERT INTO Employee (id, name, DOB, phone) VALUES (123, Don, 07.07.1970);
8. How to UPDATE statement?	It used to update the records of the database table. UPDATE `employee` SET age = 22 where id= 2

9. How to delete records in SQL?	Delete statement is used to delete the specific records of the table. DELETE FROM `employee` WHERE id = 4; 10. how to delete all records in table? Truncate is used to delete all the data from the table. TRUNCATE TABLE table_name;
11. How to use AND and OR operator?	The AND Operator The SQL AND condition is used in SQL query to create two or more conditions to be met. SELECT * FROM `employee` where age = 21 and id = 1 The OR operator: The SQL OR condition is used in a SQL query to create a SQL statement where records are returned when any one of the condition met. It can be used in a SELECT statement, INSERT statement, UPDATE statement or DELETE statement. SELECT * FROM `employee` WHERE age=24 or name = 'jhon'; Combining AND & OR Operator You can also combine AND and OR statements together. SELECT * FROM employee WHERE age > 20 AND (id = 1 OR id = 3)
12. What is the use of ORDER BY?	The SQL ORDER BY statement used to sort the data in ascending or descending order. SELECT * FROM employee ORDER BY age ASC; SELECT * FROM employee ORDER BY age desc;
13. What is the use of SQL DISTINCT?	SQL DISTINCT keyword used to fetch unique records. SELECT DISTINCT age FROM employee;

14. How to alter alter table?	MySQL ALTER statement is to change the name of your table or any table. It used to add or delete an existing table. a. ADD column: ALTER TABLE employee ADD dept varchar(20); b. DROP column: ALTER TABLE employee DROP COLUMN dept; c. MODIFY column: ALTER TABLE employee MODIFY COLUMN age bigint; d. SQL Aggregate Functions
15. Explain MYSQL aggregate functions?	SQL aggregate functions used to calculate values in a column. a. Max(): is used to find the largest value in a table. SELECT max(age) FROM employee; b. Min(): is used to find the smallest value in a table. SELECT min(age) FROM employee; c. Avg(): is used to find average value in a table. SELECT avg(age) FROM employee; d. Sum(): is used to find the total in a table. SELECT sum(age) FROM employee; e. Count(): is used to total count in a table. SELECT count(age) FROM employee;
16. Explain MYSQL joins?	The SQL Joins clause used to combine two or more tables in a database Different Types of SQL Joins Different types of the JOINs in SQL: a. (INNER) JOIN: Returns matching values in both tables. b. LEFT (OUTER) JOIN: Return all records from the left table, and matching data of the right table. c. RIGHT (OUTER) JOIN: Return all records from the right table, and matching data of the left table. d. FULL (OUTER) JOIN: Return all records when there is a match in either left or the right table.
17. What is Database Testing? Please give an example?	It is AKA back-end testing or data testing. Database testing involves in verifying the integrity of data in the front end with the data present in the back end. It involves in updating records in a database and verifying the same on the front end.

37	37
38. What is the main difference between 'BETWEEN' and 'IN' condition operators?	BETWEEN operator is used to display rows based on a range of values in a row whereas the IN condition operator is used to check for values contained in a specific set of values. Example of BETWEEN: SELECT * FROM Students where ROLL_NO BETWEEN 10 AND 50; Example of IN: SELECT * FROM students where ROLL_NO IN (8,15,25);
39. What are the purposes of using ENUM and SET data types?	Answer: ENUM data type is used in the MySQL database table to select any one value from the predefined list. The value of a particular field can be restricted by defining the predefined list as the field which is declared as ENUM will not accept any value outside the list. The SET data type is used to select one or more or all values from the predefined list. This data type can also be used to restrict the field for inserting only the predefined list of values like ENUM.