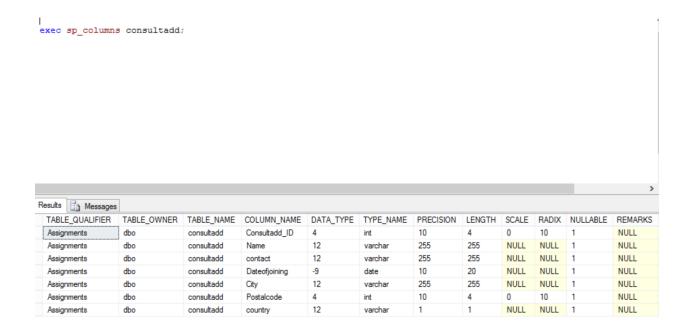
## ASSIGNMENT ON SQL

1. Which of the following clauses is used to display information that match a given pattern?
SELECT * FROM Tablename WHERE columname LIKE '%pattern%';
<ol><li>The special database that always exist after setting up MySQL in a computer is</li></ol>
'information_schema' is the special database that always exists. 'mysql' can be seen depending on access rights.
<ol><li>Which operator is used to perform integer division in MySQL? DIV()</li></ol>
SELECT 12 DIV 3;
4. The query 'SELECT NOW()' shows the current?  Returns current date and time.
5. Suppose you want to select a database named 'sampledb' as the default database. Which of the commands do you use?
The USE Statement is used to select a database and perform SQL operations into that database. The database remains default until end of session or execution of another USE statement with some other database.
6. What does 'abc' & 'xyz' specify?  CREATE TABLE abc (xyz);
7. To see the table structure, which of the following command is issued?
exec sp_columns MyTable;



8. To execute the contents of a query file 'exec.sql' by feeding it to Mysql, which command is used?

mysql queries can be run after placing the queries in a file, and then executing it by feeding it to mysql. By default, mysql prints output in a tab-delimited format when it is running in noninteractive mode mysql sampdb < exec.sql

9. The clause that enables mapping a short command to a long Command is\_\_\_\_\_?

An alias is defined by the keyword 'alias' followed by the short and long commands.

10. Which statement can be used to specify the sql\_mode system Variable at runtime?

The 'SET' statement can change the SQL mode at runtime. For example, the statement SET sql\_mode = 'ANSI\_QUOTES' can be used by a client in its own session specific SQL mode

- 11. Which of the following characters is illegal in naming an unquoted Identifier in SQL?
- 12. How are identifiers quoted in MySQL? The identifier quote character is the backtick (`)

SELECT \* FROM `select` WHERE `select`.id > 100;

- 13. What is the maximum length for alias names in terms of characters?

  Aliases have a maximum length of 256 characters
- 14. What does a fully qualified table name consist of? <a href="catalog"><a href="ca
- 15. The default case sensitivity of database and table names depends On \_\_\_\_\_?Operating system of machine
- 16. Which property determines whether a database objective is case Sensitive?

The way to determine whether a database object or a database is case sensitive or not is to check the 'COLLATION' property. The result would be either CI for insensitive or CS for sensitive.

17. Create a database table according to the table given below on MySQL workbench and perform the queries on the table

Consultadd_id	Name	Contactname	Date Of Joining	City	Postalcode	Country
101	Alfreds	Martino	01/08/2017	Florida	32118	USA
102	Ana trujillo	Ritviz	23/02/2018	Berlin	10115	Germany
103	Antonio	Akon	05/11/2018	Denver	80014	USA
104	Tenzin	Yashi	13/01/2019	Boston	02101	USA
105	Thomas	John	02/03/2017	Mexico	05021	Mexico
106	Christina	Akon	11/04/2019	Chicago	60007	USA
107	Perry	Yashi	30/04/2018	Boston	02101	USA

108	Jued methw	Ritviz	01/01/2019	Denver	80014	USA
109	Alaska	Akon	15/12/2018	Miami	33101	USA
110	Marina	John	24/08/2017	Berlin	10115	Germany

Consultadd_id	Project	Salary(\$)	Country	Email
101	P1	30	USA	abc.01@gmail.com
102	P2	25	Germany	xyz.02@gmail.com
103	P2	50	USA	pqr.03@gmail.com
104	P3	35	USA	xyz.04@gmail.com
105	P1	20	Mexico	abc.05@gmail.com
106	P4	45	USA	pqr.06@gmail.com
107	P3	54	USA	abc.07@gmail.com
108	P2	85	USA	xyz.08@gmail.com
109	P1	40	USA	pqr.09@gmail.com
110	P4	35	Germany	abc.10@gmail.com

18. Write a sql query to fetch the count of Consultants working in project P1?

Select count(Consultadd\_id) from consultadd where project = 'p1';

19. Write a SQL query to fetch common records between two tables?

SELECT \* FROM Consultadd INTERSECT SELECT \* FROM Project;

- 20. Write a SQL query to fetch records that are present in one table but not in another table?
- 21. Write a SQL query to fetch consultants name having salary greater than Or equal to 30\$ and less than or equal to 50\$?

SELECT c.name
FROM consultadd c
WHERE SALARY BETWEEN 30 AND 50
FROM Project p
WHERE c.consultadd\_id = p.consultadd\_id;

22. Write a SQL query to fetch project-wise count of consultants sorted by project's count in descending order?

select count(consultadd\_id) headcount, project From project group by project order by headcount DESC;

23. Write a SQL query to fetch duplicate records from a table?

**SELECT** 

Column1, Column2, Column3, Column4, COUNT(\*)

**FROM** 

TableName

**GROUP BY** 

Column1, Column2, Column3, Column4

**HAVING** 

COUNT(\*) > 1

24. Write a SQL query to remove duplicates from a table without using temporary tables?

25. Write a SQL query to fetch only odd rows from table?

Select id,Name from tablename group by id having mod(id,2) = 1;