

SQL Questions:-

Topic - 1

1. What is SQL :- purpose
2. Testdata validation or database validation or Backend validation?
3. Users of SQL or Importance of SQL?
4. Versions of SQL?
5. What are the basic terms of SQL?
6. What is Data?
7. What is Database?
8. What is Table or Object or entity?
9. What is Schema?
10. What is cell?
11. Relationship b/w DBMS & RDBMS?

Topic - 2

1. What is Data Integrity?
2. What is Datatypes?
3. Types of Datatypes?
4. What is char, varchar?
5. Difference b/w char & varchar?
6. What is number and date datatype?
7. What is constraints?
8. What is Null?
9. Types of constraints?
10. What is NOT NULL, when we will assign not null?
11. What is unique?
12. What is Check or domain constraints?
13. What is primary key?
14. What is foreign key?

Topic - 3

1. What is SQL sub Language and its types?
2. Commands used in Sub Language?
3. What is DQL?
4. What is select and its types?
5. What is projection and its syntax?
6. Characteristics of select, from and where clause?
7. Basic Commands of SQL
 - i) How to know table structure?
 - ii) How to switch between the database
 - iii) Clear the screen?
 - iv) Lines and page?
 - v) How to check what are the tables present in the database?
8. What is ★ star?
9. What is distinct clause?
10. What is expression?
11. What is operand and its types?
12. What is column type operand?
13. What is literal type operand and its types?
14. What enclosed with single quote?
15. What is Alias name? Syntax
16. Why we can't use special character, numbers and SQL keywords as alias name? What we have to do use this?
17. What is order by clause and its syntax?
18. What is selection and its syntax?
19. Is SQL case sensitive?

Topic - 4

1. what is operator and its types?
2. Types of logical operator?
3. what is And and OR operator? Syntax
4. Types of special operator?
5. what is IN operator? Syntax
6. What is between operator and its syntax?
7. what is like operator? Syntax
8. what is ordinary character?
9. what is special character? and its types?
10. What is percentile and underscore?
11. what is pattern matching and wild card search?
12. what is escape character?
13. what is 'IS' operator?
14. NOT with special operator
 - i) NOT IN
 - ii) NOT Between
 - iii) NOT LIKE
 - iv) IS NOT
15. what is set operator and its types?
16. what is concatenation operator?

Topic - 5

1. what is function and its types?
2. what is user defined functions?
3. what is pre-defined functions and its types?
4. Difference between single row and multi row functions?
5. Types of multi row functions? or group or Aggregate?
6. can we pass multiple arguments inputs in multi row function?

7. What is group by clause and its syntax?
8. Rules of group by clause?
9. What is sub group?
10. Which column will create sub group?
11. What is having clause and its syntax?
12. Rules of having clause?
13. Difference b/w where clause and having clause?

Topic - 6

1. What is Sub Query and its syntax?
2. Working Mechanism or principle of sub query?
3. Case 1, case 2, case 3, case 4 and its drawbacks?
4. Topic related to case-1? Types of subquery?
5. What is Any and All Operator?

Topic - 7

1. What is Joins and its types?
2. What is Cartesian or cross join? and its syntax?
3. What is valid and Invalid Record?
4. What is the drawback for cross join?
5. What is inner join and its syntax? or equi or Natural
6. What is Non-equi join?
7. What is relevant data?
8. What is Outer join?
9. What is left, Right and full outer join and its Syntax?
10. What is self-join?
11. Self join case-1, case-2?

Topic - 8

1. what is core-related SubQuery?
2. working mechanism of core related SubQuery?
3. what is pseudocolumns and its types?
4. what is Rowid?
5. what is Row Number?
6. why pseudocolumns?
7. when we go for pseudocolumns?

Topic - 9

1. what is Normalization?
2. what is 1NF?
3. what is 2NF?
4. what is partial dependency?
5. what is functional dependency?
6. what is 3NF?

Topic - 10

1. DDL Commands [Permanent]

CREATE, ALTER, RENAME, TRUNCATE, DROP
syntax and how it works

2. DML Commands [Temporary]

INSERT, DELETE, UPDATE
syntax and how it works

3. TCL Commands

ROLLBACK, COMMIT, SAVEPOINT
syntax and how it works

4. DCL Commands

GIRANT, REVOKE

syntax and how it works

Important Questions

1. SQL Sub languages
2. statements
3. Commands and its Syntax
4. Difference b/w Delete & Truncate
5. Difference b/w Delete & Drop
6. Syntax for All Joins
7. Inner Query
8. Difference b/w DBMS & RDBMS
9. Difference b/w Primary & Foreign Key
10. Datatypes
11. Constraints
12. Sub query Case-3
13. co-related Sub query
14. Normalisation definition & Rules
15. Pseudo columns
16. Functions
 - Group by
 - Having
17. Special Operators
18. Distinct & where clause difference
19. Backend validation?
20. difference b/w unique and distinct
21. difference b/w union and union All