

SQL categories:

Category A:

1. Select columns from a table.
2. Computed Columns (Operators +, -, *, /).
3. Null Values (IS NULL , IS NOT NULL).
4. String concatenation.
5. Distinct Keyword.
6. Negating a condition (NOT operator).

Category B:

7. Using BETWEEN operators.
8. IN Operator (NOT IN).
9. LIKE Operator (Pattern matching).
10. Comparison Operators (maximum 2 operators only e.g. =, -, >, <, >=, !=).
11. Where clause with comparison operator.

Category C:

12. Logical Operator(AND, OR, NOT).
13. Combination of logical operators.
14. ORDER BY.
15. Aggregate function (e.g. AVG, MIN, MAX, COUNT, SUM, with numm values, with distinct values).

Category D:

16. Group By.
17. Group By Having.
18. Build In Functions - Charater Functions , Numeric Function, Date Functions.
19. Conversion Functions – TO_CHAR(), TO_DATE().
20. LOWER,UPPER,INITCAP,CONCAT,SUBSTR,INSTR,TRIM,PAD,ROUND,CEIL.
21. NVL,COALEASE,LISTAGG,NULLIF.

Category E:

22. Multiple Table Queries
23. Inner Join
24. Left Outer
25. Join Right
26. Outer Join
27. Cross Join
28. Self-Join

Category F:

29. Single row subqueries e.g. Select customer_id, last_name from customer where salary = (select avg (salary)

- 30. from employees)
- 31. Correlated Subqueries
- 32. Where clause with correlated sub query EXISTS Operator
- 33. NOT EXISTS Operator
- 34. Set Operators (UNION, INTERSECT, MINUS)

Advance Category:

- 35. Other SQL statements not included above
- 36. Complex SQLs (Nested Subqueries + subqueries with JOIN etc.)