

SQL QUESTIONS

1. What does `UNION` do? What is the difference between `UNION` and `UNION ALL` ?
2. List and explain the different types of `JOIN` clauses supported in ANSI-standard SQL.
3. Write a SQL query to find the 10th highest employee salary from EMP table. Explain your answer.
4. How can you select all the even number records from a table? All the odd number records?
5. What is difference between WHERE clause and HAVING clause?
6. What is the difference between single-row functions and multiple-row functions?
7. What is the GROUP BY clause used for?
8. What is the difference between `char` and `varchar2` ?
9. What are various DDL commands in SQL? Give brief description of their purposes.
10. What are various DML commands in SQL? Give brief description of their purposes.
11. What are various DCL commands in SQL? Give brief description of their purposes.
12. Can you sort a column using a column alias?
13. Is a NULL value same as zero or a blank space? If not then what is the difference?
14. If a table contains duplicate rows, does a query result display the duplicate values by default? How can you eliminate duplicate rows from a query result?
15. What is the purpose of the condition operator BETWEEN?
16. What is the default ordering of data using the ORDER BY clause? How could it be changed?
17. What is the purpose of the NVL function?
18. What do you understand by a subquery? When is it used?
19. What happens if you omit the WHERE clause in the UPDATE statement?
20. What are the different types of constraints? Explain primary key, foreign key, unique key & not null constraints?
21. What is the difference between DELETE and TRUNCATE statements?
22. Write the Query to display CURRENT DATE and TIME.
23. What is the main difference between 'BETWEEN' and 'IN' condition operators?
24. What is an ALIAS?
25. Name the operator & wildcards which are used in the query for pattern matching?
26. How can you fetch first 5 characters of the string?
27. What is Normalization in a Database? What is the primary use of Normalization?
28. Write the difference between PRIMARY KEY and FOREIGN KEY.