**SQL**

1. what is seeks, scans, lookups and updates in indexing
2. How to fetch alternate records from a table?

**Records can be fetched for both Odd and Even row numbers -.**

**To display even numbers-.**

**Select studentId from (Select rowno, studentId from student) where mod(rowno,2)=0**

**To display odd numbers-.**

**Select studentId from (Select rowno, studentId from student) where mod(rowno,2)=1**

1. unique constraint and primary key

**https://www.geeksforgeeks.org/difference-between-primary-key-and-unique-key/**

1. All the joins in sql

<https://www.guru99.com/sql-server-joins.html>

<https://www.educative.io/edpresso/what-is-the-sql-cross-join>

<https://www.tutorialspoint.com/sql/sql-full-joins.htm>

<https://www.tutorialspoint.com/sql/sql-self-joins.htm>

1. Views
2. SP
3. Functions
4. Difference b\n SP & Functions
5. Joins
6. Magic table
7. Triggers
8. difference delete & truncate
9. diff b\n pk & unique key
10. Stored procedure optimization
11. Exception handle in sql

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| 1. What is SQL View? Please explain with the help of an example. |
| 1. What is SQL injection? |
| 1. What is the difference between a store procedure and functions? |
| 1. Is there any difference between the compilations of stored procedures versus functions? |
| 1. What is a Deadlock in SQL and how do you troubleshoot to resolve such issues? What do you do about Deadlock in SQL while running queries? How do you define a deadlock in SQL and how do you prevent it? |
| 1. What is normalization in SQL? |
| 1. Have you run into performance issues with SQL server and what steps did you take to resolve such issues? |
| 1. Are you familiar with the SQL Execution Plan? |
| 1. What is union in SQL, and when do you use it? |
| 1. What's this difference between union and union all? |
| 1. What is intersect? |
| 1. What is left joint? |
| 1. Have you ever done a data migration from Legacy Systems to Newer version of the system? |
| 1. Do you know what are local & global variables, explain the difference? |
| 1. Have you done work in optimizing queries, please explain? |
| 1. If you have multiple where clauses, how do you know which one is causing issues, Or, slowing down the query performance? |
| 1. If you have different databases in different networks, how would you access them? |

1. Views
2. SP
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4. Difference b\n SP & Functions
5. max sal
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9. difference delete & truncate
10. diff b\n pk & unique key
11. CTE
12. SP
13. Stored procedure optimization
14. ranking function in SQL
15. Scalar value function in sql
16. What is composite key
17. Select count(null) what will be the output
18. View in SQl
19. SQL injection
20. Diff between SP and function
21. compilation of Sp and function
22. What is dead log and how to troubleshooting
23. Normalization
24. how you can handle performance issue
25. sql execution plan
26. What is composite key
27. ranking function
28. max sal

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| 1. how we can optimize query |
| 1. If we multiple where clause then how we can find which where clause taking time |
| |  | | --- | | 1. what is linq | | 1. other than the sp how we can prevent the sql injection | | 1. how you can connect two method with diff database in same application | | 1. what is link server | | 1. encryption In database | |

* https://www.guru99.com/sql-interview-questions-answers.html