

SQL Server

1. Getting started with the database

- Database and its overview

2. Creating, Dropping & Restoring Sql server database

- Download & Restore Adventure Works

3. Creating and working with tables

4. Types of constraints in Sql Server

- Not Null, Unique, Primary Key, Foreign Key, Check, Default, Cascading referential integrity

5. Identity & Sequence

- Identity Columns & Ways to find last generated identity value

6. Clauses

7. Normalization

- 1NF, 2NF, 3NF, BCNF

8. Joins

- Inner, LEFT, RIGHT, FULL, SELF, CROSS

9. Set Operators

10. Handling NULLS

11. Stored Procedures

- Inbuilt Stored procedures, Stored procedures with output parameters, Nested Stored Procedures

12. String Functions

13. User Defined Functions

- Scalar, Table Valued, Multi-Statement Table Valued

14. Temporary Tables, Table Variables , CTE's

15. Indexes

- Clustered Index, Non-Clustered, Unique Index, Filtered Index, Columnstore

16. Views

- Simple, Complex, Updatable Views

17. Triggers

- DML Triggers , DDL Triggers, Logon Triggers

18. Cursors

- Static, Dynamic , Forward-Only , Keyset-Driven, Scroll

19. Error Handling

20. Pivot & Unpivot

21. Subqueries, Corelated Subqueries & Derived queries

22. Transactions in SQL Server

23. Cross apply and outer apply in sql server

24. Merge in SQL Server

25. SQL Server deadlocks

26. Dynamic SQL in SQL Server

27. Rank Functions

- Rank(), Dense_Rank(), Row_Number()

28. Session on Real Time Interview Questions

29. Mini Project on Sql Server



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