Basic SQL

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This contains the basic in SQL/Databases one should be familiar with for Software Developer/Data Analyst/Data Scientist role.

- 1. Need for Databases
- 2. DBMS/RDBMS
- 3. SQL
- 4. Types of Commands
 - (a) DDL
 - (b) DML
- 5. Create/Alter/Drop Database
- 6. Create/Alter/Drop Table
- 7. Constraints
 - (a) Primary Key
 - (b) Foreign Key
 - (c) Unique
 - (d) Check
 - (e) Not Null
 - (f) Default
- 8. Queries
 - (a) CREATE
 - (b) SELECT
 - (c) UPDATE
 - (d) DELETE
- 9. Joins and Types
 - (a) Inner Join
 - (b) Outer Join
 - i. Left Outer
 - ii. Right Outer
 - iii. Full Outer
 - (c) Self Join
 - (d) Cross Join
- 10. Normalization (Normal Forms)

- (a) 1NF
- (b) 2NF
- (c) 3NF
- (d) 4NF
- (e) 5NF
- (f) BCNF
- 11. Indexes and Types
 - (a) Clustered
 - (b) Non-Clustered
 - (c) Unique
- 12. Cursor
- 13. Views
- 14. Triggers
- 15. Stored Procedure (SP)