

Lotus IT Hub Pune

Sql Syllabus

❖ DDL (Data Defiend Language)

- Create
- Alter
- add
- modify
- rename
- drop
- Drop
- truncate
- truncate

❖ DML (Data Manipulation Language)

- INSERT
- UPDATE
- DELETE
- MERGE
- **Aggregate and Built in Function**

- Max()
- Min()
- length()
- avg()
- count()
- substr()
- sysdate()
- instr()

- trim()
- CONSTRAINTS
- Column Level Constraint
- Table Level Constraints
- CASCADING CONSTRAINTS
- NOT NULL Constraint
- UNIQUE Constraint
- PRIMARY KEY Constraint
- CHECK Constraint
- FOREIGN KEY Constraint
- ALTER TABLE with CONSTRAINT
- Enabling Constraint
- Disabling Constraint
- Group Function
- Using NVL with group function
- HAVING with Group Function
- Subqueries
- Single Row Subquery
- Multiple Row Subquery
- Group function using subquery
- ALL with subquery
- NOT IN with subquery
- Join (Display Data from Multiple Tables)
- String Handling
- INNERJOIN
- LEFTOUTERJOIN
- RIGHTOUTERJOIN
- EQUIJOIN
- Ambiquosy using JOIN

- NON-EQUIJOIN
- OUTER Join
- SELF Join
- Producing Readable Outputs with Isqlplus
- Substitution Variables
- Using VERIFY command
- Using SET commands
- Using Format commands
- BREAK Command
- Creating VIEW
- SIMPLE VIEW
- WHERE using View
- DML operation using View
- FORCE using View
- Column Alias using View
- GROUP FUNCTION using VIEW
- WITH CHECK OPTION using VIEW
- WITH READ ONLY using VIEW
- Inline View
- Top-N Analysis
- Creating Sequence, Index, Synonym
- How to use Sequence
- INDEX
- UNIQUE INDEX
- Function Based Indexes
- Using SET Operator
- UNION
- UNION ALL
- INTERSECT

- MINUS
- DISTINCT
- Advanced Subqueries
- Multiple Column Subqueries
- Pairwise Comparison Subquery
- Nonpairwise Comparison Subquery
- Using a Subquery in FROM clause
- Scalar Subqueries
- Correlated Subqueries
- Using EXISTS operator
- Correlated UPDATE and DELETE
- Using WITH clause
- Enhancement to the GROUP BY clause
- ROLLUP using GROUP BY
- CUBE using GROUP BY
- GROUPING using GROUP BY
- GROUPING SETS using GROUP BY
- Composite Columns
- Concatenated Groupings
- Hierarchical Retrieval
- Hierarchical Queries
- Controlling User Access
- CREATE TABLESPACE
- Privileges in Oracle
- CREATE USER
- GRANTS
- ROLE
- Change Password
- Object Privileges

- WITH GRANT OPTION Keyword
- PUBLIC Keyword
- REVOKE Object Privileges
- Dense and Rank
- Partition of Table
- Sql Loader

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