

MYSQL/Oracle

DBMS:

- Concepts of DBMS
- Introduction
- Importance and Need

Introduction to RDBMS:

- Concepts of RDBMS
- Introduction
- Comparison with DBMS

Introduction to MySQL

Structured Query Language

- Introduction to SQL
- Predefined Data Types
- Introduction to database Objects
- Table

Commands in SQL

- Data definition language (DDL)
- Data manipulation language (DML)
- Transaction control language (TCL)

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- Operators
 - Arithmetical
 - Logical
- Assignment
- SQL Operators
- Set Operators
- Functions
- Date
- Number
- Character

- Group by ,Having clause
- Aggregate Functions
- Order By
- Integrity Constraint
- Different Types of Integrity Constraint
- Use of Integrity constraint in table

• Joins

- Usage of joins
- Different Types of joins
 - Inner join, left ,right and cross join
 - Outer join
 - Sub queries
 - Need of sub queries
 - Simple sub queries
 - Co-related sub quires
 - Views
 - Importance of views
 - Creating, Drop views
 - Working with database objects

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- Distinct
- Ifnull (Convert null to Zero)
- Limit
- Coalesce
- Derived Table
- Locks
- Using Temp Tables
- CTE

Programs:

- Introduction to Programs
- Advantages of Programs
- Variable and constants
- Conditional statements
- Cursors
- Introduction to Triggers

- Before and after, instead of triggers
- Stored Procedures
- User Defined Functions
- Dropping triggers, procedures, functions