**1. Introduction to SQL**

* What is SQL?
* History and Evolution
* Importance of SQL in Databases
* Types of SQL Commands
* DDL (Data Definition Language)
* DML (Data Manipulation Language)
* DCL (Data Control Language)
* TCL (Transaction Control Language)

**2. Data Types**

* INT: Integer numbers.
* VARCHAR(size): Variable-length strings.
* CHAR(size): Fixed-length strings.
* DATE: Date values.
* FLOAT: Floating-point numbers.
* BOOLEAN: True/false values.

**3. Basic SQL Commands**

* Creating a Database and Tables
* CREATE DATABASE
* CREATE TABLE
* Data Types
* Basic Data Manipulation
* INSERT INTO
* SELECT
* UPDATE
* DELETE

**4. SQL Functions and Operators**

* String Functions
* CONCAT
* SUBSTRING
* LENGTH
* Numeric Functions
* ABS
* ROUND
* FLOOR
* Date Functions
* CURRENT\_DATE
* DATEADD
* DATEDIFF
* Operators
* Arithmetic Operators
* Comparison Operators
* Logical Operators

**4. SQL Clauses**

* WHERE Clause
* Filtering Data
* ORDER BY Clause
* Sorting Data
* GROUP BY Clause
* Aggregating Data
* HAVING Clause
* Filtering Aggregated Data

**5. Joins and Subqueries**

* Types of Joins
* INNER JOIN
* LEFT JOIN
* RIGHT JOIN
* FULL JOIN
* CROSS JOIN
* Subqueries
* Single-Row Subqueries
* Multi-Row Subqueries
* Correlated Subqueries