SQL Syllabus

1. Introduction to Databases

- Relational Databases and SQL

- Installing MySQL/PostgreSQL

2. Basic SQL Commands

- SELECT, INSERT, UPDATE, DELETE

- Filtering with WHERE and HAVING

3. Advanced Queries

- Joins: INNER, OUTER, CROSS

- Subqueries and Nested Queries

4. Functions and Procedures

- Aggregate Functions

- Creating Stored Procedures

5. Database Management

- Indexing and Optimization

- Transactions and ACID Properties

6. Data Security and Integrity