

SQL PROGRAMMING USING ORACLE: A PRACTICAL APPROACH

1. SQL Introduction

- What is a database?
- SQL Basic Overview
- Query Language
- SQL Server
- MySQL
- Oracle Database

2. SQL Database User

- SQL*Plus
- Connect with System User
- Create a new Database User
- Log into new User

3. SQL CREATE TABLE

- Create table
- Delete or Drop table
- Insert Data into table
- Select Distinct
- Where Clause
- Aliases
- Update Table
- AND, OR, NOT
- IN
- Between
- Order By
- Group By
- Having
- Exists
- ANY and ALL
- CASE Statement
- Select Into
- Alter Table

4. SQL CONSTRAINTS

- Constraints Introduction
- Not Null
- Unique
- Primary Key & Foreign Key
- Check
- Default

5. SQL KEYWORDS.

6. SQL DATATYPES

7. SQL OPERATORS & WILDCARD CHARACTERS

8. SQL JOIN

- Joins Introduction
- Inner Join
- Full Join
- Self-Join
- Union
- Cross Join

9. SQL AGGREGATE FUNCTIONS & DATES

- Introduction
- Min
- Max
- Count
- Avg
- Sum
- SQL Date

10. SQL VIEWS

- Views Introduction
- Advantages of View
- Updateable Views
- Limitations of views

11. SQL FUNCTIIONS

- String functions
- Date Functions
- Mathematical Functions.

12. CREATING SAVEPOINTS IN SQL, COMMIT & ROLLBACK

13. INTRODUCTION TO PL/SQL USING ORACLE

- PL/SQL Programming
- Cursors
- Functions/Procedures
- Trigger