Database

1 - Introduction

- What Is Database?
- What is Database Management System (DBMS)?
- Introduction to RDBMS .
- Brief on E.F CODD .

2 - Datatypes and Constraints

- What are Datatypes ?
- Types and Examples .
- How to use .
- What are Constraints?
- Types and Examples.
- How to use.

3 - Statements in SQL

- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Transaction Control Language (TCL)
- Data Control Language (DCL)
- Data Query Language (DQL)

4- Software installation

- Installing and set up of software
- Working on Oracle 10g.

5- Data Query Language (DQL)

- Select
- From
- Where
- Group By

- Having

- Order By

6 -Operators

- Types and Examples

7- Functions in SQL

- Single Row Functions

- Multi Row Functions

 Max ()

 Min ()

 Sum ()

 Avg ()

 Count ()

8-Sub Query

- Introduction to Sub Query

- Working of Sub Query

9- JOINS

- What Is Join?

- Types of Joins.

- Cartesian Join

- Inner Join

- Outer Join

- Self-Join

- Queries and Examples.

10- Co- Related Sub Query

- Working and Examples

11- Data Definition Language (DDL)

- Create

- Rename

- Alter

- Truncate

- Drop

12- Data Manipulation Language (DML)

- Insert

- Update

- Delete

13- Transaction Control Language (TCL)

- Commit

- Save point

- Rollback