**Day-02**

**11-03-2025**

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Name: Ravi

Full stack developer

Subject: Oracle Database

Course Content

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1) Introduction

2) Environmental Setup

3) Database commands

4) Datatypes

5) Integrity Constraints

6) Clauses

7) Operators

8) Functions

9) Objects

10) Queries

11) Joins etc.

Duration: 40 days

Fee: for Ashok IT students ==> free

5000/-

video access + notes

**Introduction**

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What is data?

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-> Data is an information related to physical entity or real-world entity.

Ex: Human, chair etc.

Student:

 name: 'Ravi' 'Anusha'

 age: 15 14

 id:10 12

 gender: 'Male' 'Female'

 marks: 82 92

 height: 4.6 4.3

 section: 1 1

What are the techniques that we have to manage the data?

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1) Traditional Approach

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-> Managing the data in the format of books is called as "Traditional approach".

Drawbacks:

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 1) Costlier

 2) No backup

 3) No security

 4) Time consuming

2) File System

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-> When the digital era has started, the storage system is upgraded to files.

Advantage:

 1) less cost

 2) secured

Drawbacks:

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 1) No backup

 2) Duplication or No redundancy

3) Database

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-> The database can maintain and manage the data in the structured format automatically.

Types of database software’s?

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-> Database is a software

-> classified into two types:

 1) SQL based database softwares

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 Ex: Oracle, MySQL, SQL Server, Postgre SQL, DB2 etc.

 2) No SQL based database software

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 Ex: Mongo DB, Graph QL etc.