Learning/Training Resources with Computer Aided Instructions in subject of Database Management System

Introduces, Global e-Learning System in Education & Training in the form of Learning Resources with Computer Aided Instructions

Theory Module
- Theory Module
- Software Module
- Video Module
- Termwork Module

System Requirement: IBM-PC Compatible with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

Features: Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Printing facility, Access to Videos at appropriate locations.

List of Topics

Introduction to Database management System

Introduction to Structured Query Language(SQL)
- Introduction to SQL, Tables, Attribute, Tuple/Rows, field, data, Concept of string, Number value, date values, data Type and data integrity, Types of keys, Oracle as RDBMS tool, Introduction to Oracle, data Manipulation Language (DML) Commands, Data definition Language (DDL), Data Controllanguage (DCL), Transaction Control Language (DCL), Data type conversions Functions, Use of Logical Operators (AND/OR/NOT Operators),

Grouping records and Manipulating Data
- Concepts of Grouping Records, Nested Grouping, Group Functions, Types of Group Functions, Group by Clause, grouping by more than One Column, Concept of Sub- Query, Types of Sub- Queries- Single Row and Multiple Row, Concept of Join, Result of Join, Types of Join, Sort Naming Convention for Tables (Table Aliases), manipulating data of a Table/Relation, Concept of DML (Data Manipulation Language), Copying Rows from Another Table Updating Rows/Columns, Making Data Manipulation Permanent (COMMIT), Undo Data manipulation Permanent (ROLLBACK).

Entity Relationship Modelling

Business Computing and Database