

“RDBMS – Relational Database Design” Training program (English Material)

Course Length: 6 Hours @ 2 days

Description

An important part of every business is to keep records. We need to keep records of our customers, the employees of our company, the emails etc. To keep all the data individually is quite difficult and hectic job, because whenever if we need the record of a particular customer or an employee we need to search manually. It takes lot of time and still not reliable. Here comes the concept of databases

Objective

Upon completion, participants will understand the concept of the Relational database functions, join techniques, database objects and constraints, and will be able to understand the useful statement of the SQL such as; SELECT, INSERT, UPDATE and DELETE statements. Extensive hands on exercises are used throughout to reinforce learning and develop real competency.

Prerequisites:

General computer knowledge.

Outlines

- The component of the database
 - Table
 - Row
 - Column
 - Data-type
 - Primary Key
 - Foreign Key

- Constraints
- How spreadsheets compare with databases?
- Normalization
- Relationship between entities
 - One-to-one
 - One-to-many
 - Many-to-many
- Table index
- View concept
- Manipulating Table Data Using SQL statements
- Managing database objects
- Object-relational database
 - Abstraction
 - Methods and Encapsulation
 - Inheritance