

Data Modeling Curriculum

1. Data Base

Data Base Concepts

- RDBMS
- Cardinalities

Normalization

- First Normal Form
- Second Normal Form
- Third Normal Form

ACID

- Atomicity
- Consistency
- Integrity
- Durability

2. Relational Data Modeling

Data Model

- What is a Data Model?
- Characteristics of Data Model
- Entity Relations
- Entity Types

Data Modeling Development Life Cycle

- 4 Phases of modelling
- Logical Data Model
- Model Scenarios
- Model1
- Model2
- Model3

Dimensional Modeling

- Physical Data Model



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Practical Sessions

- Logical Model
- Relation ships
- Cardinalities
- Physical Modeling
- Model Reports

3. Data Warehouse

Data warehouse Concepts

- Evolution of Data warehouse
- Characteristics of Data Warehouse
- ER Model vs. Dimensional Modeling
- Inmon vs .Kimball

4. Dimensional Modeling

Introduction

- Industry Specific Models
- Different Olap Types
- Meta Data Management(MDM)
- Business Glossary

Data Vault

- Life Cycle of Dimensional Modeling
- What is a DataMart
- Different Schemas
- OLTP vs.OLAP
- Hub and spoke architecture
- Dimension Tables
- Fact Column Types
- Grain
- Bus Architecture
- Slowly Growing Dimensions
- Outrigger Dimension
- Hierarchies
- Handling M X N Relation Ship Tables.
- Different Types of Fact Tables



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Reports Types

- Drill Across
- Drill Through
- Cross Sell
- Up Sell
- Summations
- Aggregates

Model Reports

- Modeling Tools
- Naming conventions & Standards
- Hands on Erwin tool
- Hands on Dimensional Modeling Scenarios

KEY FEATURES



Instructor-led Sessions



Learn from Experts



Assignments



24 x 7 Support



Real-time Case Studies



Get Certified

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