

# Teradata Basics

## Lesson 00:



# Course Goals and Non Goals

## ➤ Course Goals

- At the end of this program, participants gain an understanding of Teradata.

## ➤ Course Non Goals

- Implementation of advanced programming concepts of Teradata is not the part of this course.





# Pre-requisites

- Fair knowledge of Database



# Intended Audience

- Software Engineers and Senior Software Engineers





# Day Wise Schedule

- Day 1
  - Lesson 1: An Overview of Teradata
- Day 2
  - Lesson 2: Primary Index Mechanics
- Day 3
  - Lesson 3: Teradata Utilities(Bteq)
- Day 4
  - Lesson 4: Teradata Utilities (Fast Export)
  - Lesson 5: Teradata Utilities(FastLoad)
- Day 5
  - Lesson 6: Teradata Utilities(MultiLoad)
  - Lesson 7: OLAP Functionalities



# Table of Contents

- Lesson 1: An Overview of Teradata
  - RDBMS Concepts
  - Teradata Overview
  - Teradata and Data warehouse
  - Components and Architecture
  - Teradata Utilities
  
- Lesson 2: Primary Index Mechanics
  - Primary Index Mechanics
  - Storing and Accessing data
  - Introduction about Teradata Utility.



# Table of Contents

## ➤ Lesson 3: Teradata Utilities(Bteq)

- Introduction to BTEQ.
- Use of BTEQ
- Transaction Mode in BTEQ
- Conditional Logic in BTEQ
- Teradata Training to BTEQ
- BTEQ Return Codes
- Using BTEQ to Export Data
- Using BTEQ to Import Data
- BTEQ Commands



# Table of Contents

- Lesson 4: Teradata Utilities (Fast Export)
  - Fast Export Definition
  - Supporting Environment
  - Execution Process
  - Start with .BEGIN EXPORT and .END EXPORT
  - Set the output file with .EXPORT
  - Fast Export Support and Task Commands
  - Some key features of Fast Export





# Table of Contents

## ➤ Lesson 5: Teradata Utilities(FastLoad)

- Introduction about Teradata Utility
- Introduction to Fast Load
- Supporting Environment
- Key requirements for Fast Load
- Basic steps for Fast Load
- Loading Phase
- Simple Fast Load Script
- BEGIN LOADING Statement
- END LOADING Statement
- INSERT Statement
- Data Type Conversion in Fast Load
- Fast Load Restartibility
- Fast Load Command



# Table of Contents

- Lesson 6: Teradata Utilities(MultiLoad)
  - Introduction about Teradata Utility
  - About Multi load
  - Supporting Environment
  - Multi Load Tasks
  - Multi Load Tasks-IMPORT
  - Phases of Import Task
  - Example of Import Task
  - Multi Load Tasks-Delete
  - Example of Delete Task
  - DELETE Task Differences from IMPORT Task
  - Restarting Multiload
  - MultiLoad Commands
  - To be familiar with popular OLAP functions.



# Table of Contents

- Types of data used in Data mining
- Data Mining applications
- Data Mining products
- Data Mining market

## ➤ Lesson 7: OLAP Functionalities

- To be familiar with the PARTITION By concept.
- To be familiar with RANK() ,ROW\_NUMBER(), QUALIFY functions
- Aggregation Function



# References

- Student material:
  - Class Book (presentation slides with notes)





# Next Step Courses (if applicable)

- BI related tool training





# Other Parallel Technology Areas

➤ NA