Course duration

2 days

Course Benefits

 Gain the knowledge to be able to make strategic decisions regarding their Teradata environment.

Course Outline

- 1. The Teradata Architecture
 - 1. What is Parallel Processing?
 - 2. The Basics of a Single Computer
 - 3. Teradata Parallel Processes Data
 - 4. Parallel Architecture
 - 5. The Teradata Architecture
 - 6. All Teradata Tables are spread across ALL AMPS
 - 7. Teradata Systems can Add AMPs for Linear Scalability
 - 8. Understand that Teradata can scale to incredible size
 - 9. AMPs and Parsing Engines (PEs) live inside SMP Nodes
 - 10. Each Node is attached via a Network to a Disk Farm
 - 11. Two SMP Nodes Connected Become One MPP System
 - 12. There are Many Nodes in a Teradata Cabinet
 - 13. Inside a Teradata Node
 - 14. The Boardless BYNET and the Physical BYNET
 - 15. The Parsing Engine
 - 16. The AMPs Responsibilities
 - 17. This is the Visual You Want to Know in order to Understand Teradata
- 2. The Primary Index
 - 1. The Primary Index is defined when the table is CREATED
 - 2. A Unique Primary Index (UPI)
 - 3. Primary Index in the WHERE Clause Single-AMP Retrieve
 - 4. Using EXPLAIN
 - 5. A Non-Unique Primary Index (NUPI)
 - 6. Primary Index in the WHERE Clause Single-AMP Retrieve
 - 7. Using EXPLAIN in a NUPI Query
 - 8. A conceptual example of a Multi-Column Primary Index
 - 9. Primary Index in the WHERE Clause Single-AMP Retrieve
 - 10. A conceptual example of a Table with NO PRIMARY INDEX
 - 11. A Full Table Scan is likely on a table with NO Primary Index
 - 12. An EXPLAIN that shows a Full Table Scan

- 13. Table CREATE Examples with four different Primary Indexes
- 14. What happens when you forget the Primary Index?
- 15. Why create a table with No Primary Index (NoPI)?
- 3. Hashing of the Primary Index
 - 1. The Hashing Formula Facts
 - 2. The Hash Map determines which AMP will own the Row
 - 3. The Hash Map determines which AMP will own the Row
 - 4. Placing rows on the AMP
 - 5. Placing rows on the AMP Continued
 - 6. A Review of the Hashing Process
 - 7. Non-Unique Primary Indexes have Skewed Data
 - 8. The Uniqueness Value
 - 9. The Row Hash and Uniqueness Value make up the Row-ID
 - 10. A Row-ID Example for a Unique Primary Index
 - 11. A Row-ID Example for a Non-Unique Primary Index (NUPI)
 - 12. Two Reasons why each AMP Sorts their rows by the Row-ID
 - 13. AMPs sort their rows by Row-ID to Group like Data
 - 14. AMPs sort their rows by Row-ID to do a Binary Search
 - 15. Table CREATE Examples with four different Primary Indexes
 - 16. Null Values all Hash to the Same AMP
 - 17. A Unique Primary Index (UPI) Example
 - 18. A Non-Unique Primary Index (NUPI) Example
 - 19. A Multi-Column Primary Index Example
 - 20. A No Primary Index (NoPI) Example
- 4. Teradata The Cold Hard Facts
 - 1. All Teradata Tables are spread across All AMPs
 - 2. The Table Header and the Data Rows are Stored Separately
 - 3. An AMP Stores the Rows of a Table inside a Data Block
 - 4. To Read a Data Block, an AMP Moves the Block into Memory
 - 5. Nothing is done on disk and everything is done in Memory
 - 6. Most Taxing thing for an AMP is Moving Blocks into Memory
 - 7. A Full Table Scan Means All AMPs must Read All Rows
 - 8. The "Achilles Heel and slowest process is Block Transfer
 - 9. Each Table has a Primary Index
 - 10. A Query Using the Primary Index is a Single AMP Retrieve.
 - 11. As Rows are added a Data Block will Eventually Split
 - 12. A Full Table Scan Means All AMPs must Read All Blocks
 - 13. A Primary Index Query uses a Single AMP and Single Block
 - 14. Each AMP Can Have Many Blocks for a Single Table
 - 15. A Full Table Scan Means All AMPs must Read All Blocks
 - 16. Synchronized Scan (Sync Scan)
 - 17. EXPLAIN Using a Synchronized Scan
 - 18. Intelligent Memory (Teradata V14.10)
 - 19. Teradata V14.10 Intelligent Memory Gives Data a Temperature
 - 20. Data deemed VeryHot stays in each AMP's Intelligent Memory
 - 21. Intelligent Memory Stays in Memory
 - 22. What is the Goal of a Teradata Physical Database Design?

5. Inside the AMPs Disk

- 1. Rows are Stored in Data Blocks which are stored in Cylinders
- 2. An AMP's rows are stored inside a Data Block in a Cylinder
- 3. An AMP's Master Index is used to find the Right Cylinder
- 4. The Row Reference Array (RRA) Does the Binary Search?
- 5. A Block Splits into Two Blocks at Maximum Block Size
- 6. Data Blocks Maximum Block Size has Changed (V14.10)
- 7. The New Block Split with Teradata V14.10
- 8. The Block Split with Even More Detail in Teradata V14.10
- 9. Teradata V14.10 Block Split Defaults
- 10. There is One Master Index and Thousands of Cylinder Indexes
- 11. Blocks Continue to Split as Tables Grow Larger
- 12. FYI Some Advanced Information about Data Block Headers
- 13. A top down view of Cylinders
- 14. There are Hot, Warm, and Cold Cylinders
- 15. Cylinders are used for Perm, Spool, Temp, and Journals
- 16. Each AMP has Their Own Master Index
- 17. Each Cylinder on an AMP has a Cylinder Index
- 18. A More Detailed Illustration of the Master Index
- 19. A Real-World View of the Master Index
- 20. An Even More Realistic View of an AMP's Master Index
- 21. The Cylinder Index
- 22. An Even More Realistic View of a Cylinder Index
- 23. How a Query using the Primary Index works
- 24. How the AMPs Do a Full Table Scan
- 25. How an AMP Reads Using a Primary Index

6. Partition Primary Index (PPI) Tables

- 1. The Concept behind Partitioning a Table
- 2. Creating a PPI Table with Simple Partitioning
- 3. A Visual Display of Simple Partitioning
- 4. An SQL Example that explains Simple Partitioning
- 5. Creating a PPI Table with RANGE_N Partitioning per Month
- 6. A Visual of One Year of Data with Range_N per Month
- 7. An SQL Example explaining Range_N Partitioning per Month
- 8. A Partition # and Row-ID = Row Key
- 9. An AMP Stores its Rows Sorted in only Two Different Ways
- 10. Creating a PPI Table with RANGE N Partitioning per Day
- 11. A Visual of Range_N Partitioning Per Day
- 12. An SQL Example that explains Range_N Partitioning per Day
- 13. Creating a PPI Table with RANGE_N Partitioning per Week
- 14. A Visual of Range_N Partitioning Per Week
- 15. SQL Example that explains Range_N Partitioning per Week
- 16. A Clever Range N Option
- 17. Creating a PPI Table with CASE_N
- 18. A Visual of Case_N Partitioning
- 19. An SQL Example that explains CASE_N Partitioning
- 20. How many partitions do you see?

- 21. Number of PPI Partitions Allowed
- 22. How many partitions do you see?
- 23. NO CASE and UNKNOWN Partitions Together
- 24. A Visual of Case_N Partitioning
- 25. Combining Older Data and Newer Data in PPI
- 26. A Visual for Combining Older Data and Newer Data in PPI
- 27. The SQL on Combining Older Data and Newer Data in PPI
- 28. Multi-Level Partitioning Combining Range_N and Case_N
- 29. A Visual of Multi-Level Partitioning
- 30. The SQL on a Multi-Level Partitioned Primary Index
- 31. NON-Unique Primary Indexes (NUPI) in PPI
- 32. PPI Table with a Unique Primary Index (UPI)
- 33. Tricks for Non-Unique Primary Indexes (NUPI)
- 34. Character Based PPI for RANGE N
- 35. A Visual for Character-Based PPI for RANGE_N
- 36. The SQL on Character-Based PPI for RANGE_N
- 37. Character-Based PPI for CASE N
- 38. Dates and Character-Based Multi-Level PPI
- 39. TIMESTAMP Partitioning
- 40. Using CURRENT_DATE to define a PPI
- 41. ALTER to CURRENT_DATE the next year
- 42. ALTER to CURRENT_DATE with Save
- 43. Altering a PPI Table to Add or Drop Partitions
- 44. Deleting a Partition
- 45. Deleting a Partition and saving its contents
- 46. Using the PARTITION Keyword in your SQL
- 47. SQL for RANGE N
- 48. SQL for CASE_N

7. Columnar Tables

- 1. Columnar Tables have NO Primary Index
- 2. This is NOT a NoPl Table
- 3. NoPl Tables Spread rows across all-AMPs Evenly
- 4. NoPl Tables used as Staging Tables for Data Loads
- 5. NoPl Table Capabilities
- 6. NoPI Table Restrictions
- 7. What does a Columnar Table look like?
- 8. Comparing Normal Table vs. Columnar Tables
- 9. Columnar Table Fundamentals
- 10. Example of Columnar CREATE Statement
- 11. Columnar can move just One Container to Memory
- 12. Containers on AMPs match up perfectly to rebuild a Row
- 13. Indexes can be used on Columns (Containers)
- 14. Indexes can be used on Columns (Containers)
- 15. Visualize a Columnar Table
- 16. Single-Column vs. Multi-Column Containers
- 17. Comparing Normal Table vs. Columnar Tables
- 18. Columnar Row Hybrid CREATE Statement

- 19. Columnar Row Hybrid Example
- 20. Columnar Row Hybrid Query Example
- 21. Review of Row-Based Partition Primary Index (PPI)
- 22. Visual of Row Partitioning (PPI Tables) by Month
- 23. CREATE Statement for both Row and Column Partition
- 24. Visual of Row Partitioning (PPI Tables) and Columnar
- 25. How to Load into a Columnar Table
- 26. Columnar NO AUTO COMPRESS
- 27. Auto Compress in Columnar Tables
- 28. Auto Compress Techniques in Columnar Tables
- 29. When and When NOT to use Columnar Tables
- 30. Did you know?

8. Space

- 1. When your System Arrives, there is only User named DBC
- 2. USER DBC
- 3. First Assignment is to create another User just under DBC
- 4. USER DBC
- 5. Perm and Spool Space
- 6. Perm Space is for Permanent Tables
- 7. Spool Space is work space that builds a User's Answer Sets
- 8. Spool Space is in an AMP's Memory and on its Disk
- 9. Users are Assigned Spool Space Limits
- 10. What is the Purpose of Spool Limits?
- 11. Why did my query Abort and say "Out of Spool"?
- 12. How can Skewed Data cause me to run "Out of Spool"?
- 13. Why did my Join cause me to run "Out of Spool"?
- 14. Finding out how much Space you have
- 15. Space per AMP on all tables in a Database shows Skew
- 16. What does my system look like when it first arrives?
- 17. DBC owns all the PERM Space in the system on day one
- 18. DBC's First Assignment is Spool Space
- 19. DBC's 2nd Assignment is to CREATE Users and Databases
- 20. The Teradata Hierarchy Begins
- 21. The Teradata Hierarchy Continues
- 22. Differences between PERM and SPOOL
- 23. Databases, Users, and Views
- 24. What are Similarities between a DATABASE and a USER?
- 25. What is the Difference between a DATABASE and a USER?
- 26. Objects that take up PERM Space
- 27. A Series of Quizzes on Adding and Subtracting Space
- 9. The User Environment
 - 1. DBC is the only user when the system first arrives
 - 2. DBC will Create Databases and Give them Space
 - 3. DBC will create some initial Users
 - 4. A Typical Teradata Environment
 - 5. What are Similarities between a DATABASE and a USER?
 - 6. Roles

- 7. Create a Role and then Assign that Role Its Access Rights
- 8. Create a User and Assign them a Default Role
- 9. Granting Access Rights
- 10. There are Three Types of Access Rights
- 11. Description of the Three Types of Access Rights
- 12. Profiles
- 13. Creating a Profile and a User
- 14. ProfileInfoVX, RoleMembers, RoleInfo and UserRoleRights
- 15. Accounts and their Associated Priorities
- 16. Creating a User with Multiple Account Priorities
- 17. Account String Expansion (ASE)
- 18. The DBC.AMPUsage View
- 19. Teradata TASM provides a User Traffic System
- 20. Teradata Viewpoint

10. Secondary Indexes

- 1. Creating a Unique Secondary Index (USI)
- 2. What is in a Unique Secondary Index (USI) Subtable?
- 3. A Unique Secondary Index (USI) Subtable is hashed
- 4. How the Parsing Engine uses the USI Subtable
- 5. A USI is a Two-AMP Operation
- 6. Creating a Non-Unique Secondary Index (NUSI)
- 7. What is in a Unique Secondary Index (USI) Subtable?
- 8. Non-Unique Secondary Index (NUSI) Subtable is AMP Local
- 9. How the Parsing Engine uses the NUSI Subtable
- 10. Creating a Value-Ordered NUSI
- 11. The Hash Map Determines which AMP will own the Row
- 12. A Unique Primary Index Spreads the Data Evenly
- 13. A Picture with a Base Table, USI, and NUSI Subtable
- 14. A Query Using an USI Only Moves Two Blocks
- 15. A Query Using A NUSI Always Uses All AMPs
- 16. Two Non-Unique Secondary Indexes (NUSI) on a Table
- 17. A NUSI BITMAP Query (1 of 3)
- 18. A NUSI BITMAP Theory (2 of 3)
- 19. A NUSI Bitmap in Action (3 of 3)
- 20. A Brilliant Technique for a Unique Secondary Index
- 21. The USI for Partitioned Tables Points to the Row Key
- 22. A Brilliant Technique for a Non-Unique Secondary Index
- 23. The NUSI for Partitioned Tables Points to the Row Key
- 24. How the PE Decides on the NUSI or the Full Table Scan
- 25. Multiple Choice DBA
- 26. What are the Big Four Tactical Queries?

11. Temporal Tables Create Functions

- 1. Three types of Temporal Tables
- 2. CREATING a Bi-Temporal Table
- 3. PERIOD Data Types
- 4. Bi-Temporal Data Type Standards
- 5. Bi-Temporal Example Tera-Tom buys!

- 6. A Look at the Temporal Results
- 7. Bi-Temporal Example Tera-Tom Sells!
- 8. Bi-Temporal Example How the data looks!
- 9. Normal SQL for Bi-Temporal Tables
- 10. NONSEQUENCED SQL for Temporal Tables
- 11. AS OF SQL for Temporal Tables
- 12. NONSEQUENCED for Both
- 13. Creating Views for Temporal Tables
- 14. Bi-Temporal Example Socrates is DELETED!

12. How Joins Work Internally

- 1. The Joining of Two Tables
- 2. Teradata Moves Joining Rows to the Same AMP
- 3. Imagine Joining Two NoPl Tables that have No Primary Index
- 4. Both Tables are redistributed to Join Rows on the Same AMP
- 5. How do you join if One Table is Big and One Table is Small?
- 6. Duplicate the Small Table on Every AMP (like a mirror)
- 7. What Could You Do If Two Tables Joined 1000 Times a Day?
- 8. Joining Two Tables with the same PK/FK Primary Index
- 9. A Join with No Redistribution or Duplication
- 10. A Performance Tuning Technique for Large Joins
- 11. The Joining of Two Tables with an Additional WHERE Clause
- 12. An Example of the Fastest Join Possible
- 13. Using a Simple Volatile Table
- 14. A Volatile Table with a Primary Index
- 15. Using a Simple Global Temporary Table
- 16. Two Brilliant Techniques for Global Temporary Tables
- 17. The Joining of Two Tables Using a Global Temporary Table
- 18. Teradata V14.10 Join Feature PRPD

13. Join Indexes

- 1. Creating a Multi-Table Join Index
- 2. Visual of a Join Index
- 3. Outer Join Multi-Table Join Index
- 4. Visual of a Left Outer Join Index
- 5. Compressed Multi-Table Join Index
- 6. A Visual of a Compressed Multi-Table Join Index
- 7. Creating a Single-Table Join Index
- 8. Conceptual of a Single Table Join Index on an AMP
- 9. Single Table Join Index Great For LIKE Clause
- 10. Single Table Join Index with Value Ordered NUSI
- 11. Aggregate Join Indexes
- 12. Compressed Single-Table Join Index
- 13. Aggregate Join Index
- 14. New Aggregate Join Index (Teradata V14.10)
- 15. Sparse Join Index
- 16. A Global Multi-Table Join Index
- 17. Creating a Hash Index
- 18. Join Index Details

14. Collect Statistics

- 1. The Teradata Parsing Engine (Optimizer) is Cost Based
- 2. The Purpose of Collect Statistics
- 3. When Teradata Collects Statistics it creates a Histogram
- 4. The Interval of the Collect Statistics Histogram
- 5. What to COLLECT STATISTICS On?
- 6. Why Collect Statistics?
- 7. How do you know if Statistics were collected on a Table?
- 8. A Huge Hint that No Statistics Have Been Collected
- 9. The Basic Syntax for COLLECT STATISTICS
- 10. COLLECT STATISTICS Examples for a better Understanding
- 11. The New Teradata V14 Way to Collect Statistics
- 12. Where Does Teradata Keep the Collected Statistics?
- 13. The Official Syntax for COLLECT STATISTICS
- 14. How to Recollect STATISTICS on a Table
- 15. Teradata Always Does a Random AMP Sample
- 16. Random Sample is kept in the Table Header in FSG Cache
- 17. Multiple Random AMP Samplings
- 18. How a Random AMP gets a Table Row count
- 19. Random AMP Estimates for NUSI Secondary Indexes
- 20. USI Random AMP Samples are Not Considered
- 21. There's No Random AMP Estimate for Non-Indexed Columns
- 22. The PE's Plan if No Statistics Were Collected?
- 23. Stale Statistics Detection and Extrapolation
- 24. Extrapolation for Future Dates
- 25. How to Copy a Table with Data and the Statistics?
- 26. How to Copy a Table with NO Data and the Statistics?
- 27. COLLECT STATISTICS Directly From another Table
- 28. When to COLLECT STATISTICS Using only a SAMPLE
- 29. Examples of COLLECT STATISTICS Using only a SAMPLE
- 30. Examples of COLLECT STATISTICS For V14
- 31. How to Collect Statistics on a PPI Table on the Partition
- 32. Teradata V12 and V13 Statistics Enhancements
- 33. Teradata V14 Statistics Enhancements
- 34. Teradata V14 Summary Statistics
- 35. Teradata V14 MaxValueLength
- 36. Teradata V14 MaxIntervals
- 37. Teradata V14 Sample N Percent
- 38. Teradata V14.10 Statistics Collection Improvements
- 39. Teradata V14.10 Statistics Collection Improvements
- 40. Teradata V14.10 AutoStats feature
- 41. Teradata Statistics Wizard

15. Temporary Tables

- 1. There are three types of Temporary Tables
- 2. CREATING A Derived Table
- 3. Naming the Derived Table
- 4. Aliasing the Column Names in the Derived Table

- 5. Most Derived Tables Are Used To Join To Other Tables
- 6. Multiple Ways to Alias the Columns in a Derived Table
- 7. Our Join Example with a Different Column Aliasing Style
- 8. Column Aliasing Can Default for Normal Columns
- 9. CREATING A Derived Table using the WITH Command
- 10. Our Join Example With the WITH Syntax
- 11. The Same Derived Query shown Three Different Ways
- 12. Clever Tricks on Aliasing Columns in a Derived Table
- 13. A Derived Table lives only for the lifetime of a single query
- 14. An Example of Two Derived Tables in a Single Query
- 15. WITH RECURSIVE Derived Table
- 16. Defining the WITH Recursive Derived Table
- 17. Looping Through the Recursive Derived Table
- 18. Looping Through a Second Time
- 19. Looping Through a Third Time
- 20. Looping Through and Adding Nothing Ends the Loop
- 21. Looping Through the WITH Recursive Derived Table
- 22. Creating a Volatile Table
- 23. You Populate a Volatile Table with an INSERT/SELECT
- 24. The Three Steps to Use a Volatile Table
- 25. Why Would You Use the ON COMMIT DELETE ROWS?
- 26. The HELP Volatile Table Command Shows your Volatiles
- 27. A Volatile Table with a Primary Index
- 28. The Joining of Two Tables Using a Volatile Table
- 29. You Can Collect Statistics on Volatile Tables
- 30. The New Teradata V14 Way to Collect Statistics
- 31. Four Examples of Creating a Volatile Table Quickly
- 32. Four Advanced Examples of Creating a Volatile Table Quickly
- 33. Creating Partitioned Primary Index (PPI) Volatile Tables
- 34. Using a Volatile Table to Get Rid of Duplicate Rows
- 35. Using a Simple Global Temporary Table
- 36. Two Brilliant Techniques for Global Temporary Tables
- 37. The Joining of Two Tables Using a Global Temporary Table
- 38. CREATING A Global Temporary Table
- 16. Teradata Load Utilities Introduction
 - 1. The Teradata Utilities
 - 2. Block Level Utilities
 - 3. Row Level Utilities
 - 4. Fast Path Inserts Using Insert/Select
 - 5. Fast Path Deletes
 - 6. Freespace Percent
 - 7. Referential Integrity and Load Utility Solutions
 - 8. Teradata has a No Primary Index Table called a NoPl Table
 - 9. This is NOT Necessarily a NoPl Table
 - 10. NoPI Tables Spread rows across all-AMPs Evenly
 - 11. NoPl Tables used as Staging Tables for Data Loads
 - 12. NoPI Table Capabilities

- 13. NoPl Table Restrictions
- 14. Why Would a NoPI Table have a Row-ID?
- 15. BTEQ Batch Teradata Query Tool
- 16. How to Logon to BTEQ in Interactive Mode
- 17. Running Queries in BTEQ in Interactive Mode
- 18. BTEQ Commands vs BTEQ SQL Statements
- 19. WITH BY Command for Subtotals
- 20. WITH Command for a Grand Total
- 21. WITH and WITH BY Together for Subtotals and Grand Totals
- 22. How to Logon to BTEQ in a SCRIPT
- 23. Running Queries in BTEQ through a Batch Script
- 24. Running a BTEQ Batch Script through the Command Prompt
- 25. Running a BTEQ Batch Script through the Run Command
- 26. Using Nexus to Build Your BTEQ Scripts
- 27. Using Nexus to Build Your BTEQ Scripts
- 28. FastLoad
- 29. Block Level Utility Limits
- 30. FastLoad has Two Phases
- 31. FastLoad Phase 1
- 32. FastLoad Phase 2
- 33. A Sample FastLoad Script Created by Nexus SmartScript
- 34. Executing the FastLoad Script
- 35. The Nexus SmartScript Easily Builds Your Utilities
- 36. The Nexus SmartScript FastLoad Builder
- 37. Create and Execute Your FastLoad Scripts with Nexus
- 38. MultiLoad
- 39. Block Level Utility Limits
- 40. MultiLoad has Five Phases
- 41. MultiLoad has IMPORT and DELETE Tasks
- 42. A Sample MultiLoad Script Created by Nexus SmartScript
- 43. TPump
- 44. TPump is NOT a Block Level Utility and has No Limits
- 45. Limitations of TPump
- 46. A Sample TPump Script Created by Nexus SmartScript
- 47. FastExport
- 48. New Rules for Block Utilities
- 49. A Sample FastExport Script Created by Nexus SmartScript
- 50. FastExport by Default places Null Indicators in Output
- 51. A Sample FastExport Script Created by Nexus SmartScript
- 52. What is TPT?
- 53. TPT Producers Create Streams and Consumers Write Them
- 54. The Four Major Operators of TPT
- 55. TPT can read from multiple source files in Parallel
- 56. TPT can have more Operators than Consumers
- 57. TPT Operators and their Equivalent Load Utility
- 58. How to Run a TPT Script
- 17. Top SQL Commands Cheat Sheet

- 1. SELECT All Columns from a Table and Sort
- 2. Select Specific Columns and Limiting the Rows
- 3. Changing your Default Database
- 4. Keywords that describe you
- 5. Select TOP Rows in a Rank Order
- 6. A Sample number of rows
- 7. Getting a Sample Percentage of rows
- 8. Find Information about a Database
- 9. Find information about a Table
- 10. Using Aggregates
- 11. Performing a Join
- 12. Performing a Join using ANSI Syntax
- 13. Using Date, Time and Timestamp
- 14. Using Date Functions
- 15. Using the System Calendar
- 16. Using the System Calendar in a Query
- 17. Formatting Data
- 18. Using Rank
- 19. Using a Derived Table
- 20. Using a Subquery
- 21. Correlated Subquery
- 22. Using Substring
- 23. Basic CASE Statement
- 24. Advanced CASE Statement
- 25. Using an Access Lock in your SQL
- 26. Collect Statistics
- 27. CREATING a Volatile Table with a Primary Index
- 28. CREATING a Volatile Table that is Partitioned (PPI)
- 29. CREATING a Volatile Table that is deleted after the Query
- 30. Finding the Typical Rows per Value for specific column
- 31. Finding out how much Space you have
- 32. How much Space you have Per AMP
- 33. Finding your Space
- 34. Finding Space Skew in Tables in a Database
- 35. Finding the Number of rows per AMP for a Column
- 36. Finding Account Information
- 37. Ordered Analytics

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.