

SQL BUSINESS INTELLIGENCE COURSE CURRICULAM

SQL SERVER 2008 Programming - SQL Server Development Tools - Query Editor Features - Working with Tables - Selecting and Grouping Data - Limiting and Sorting Data - Combining Data from Multiple Sources - Transaction Principles - System and TSQL Functions - Managing Locking and Query Performance - Implementation and Best Practices for Temporary Data Structures - Creating and Managing View and Triggers - Designing and Implementing User Defined Functions - Working with Variables - Developing and Implementing Stored Procedures - Introduction to the SSIS environment

SSIS - Business Intelligence Development Studio (BIDS) - How to create a shared connection - Overview of the commonly used tasks - Overview of the commonly used transforms, source and destinations - How to diagnose a problem in SSIS - Expressions and Variables - The expression language in SSIS - The scoping of variables - Debugging SSIS with the watch window - How to use variables and expressions to make a package dynamic - Using the various containers - Looping through tasks - Writing common SSIS scripts - Using configuration files to externalize configurations - Using tables to externalize configurations - Loading a fact table - Loading a dimension with the SCD Wizard - Change data capture (CDC) - Event Handlers - Logging Providers - Overcoming common performance problems in SSIS - Measuring performance in SSIS - Deploying a package - Scheduling SSIS packages - Security in SSIS - Deploying and scheduling a series of packages - Issues that you will encounter - Fuzzy Grouping transform - Fuzzy Lookup transform - Term Extraction transform - Term Lookup transform - Import and Export Column transforms

SSRS - Introduction to the SSRS Architecture - Data Warehousing - Report Types(Matrix, Tabular) - Report Server - Architecture - Introduction to SSRS Environment - Creating a Project - Design Pane - Preview Pane - Solution Explorer - Report Wizard - Shared Data Sources - Data Sets - Report Data Window - Basic Report with a Table - Data Retrieval - Queries - Query Builder(edit as text) - Stored procedure - Parameters in a Query - Parameters in a Stored Procedures - Options - Time Outs - Report Builder- Deploying - Using Report Builder - Report Models - Build a report with report builder - Text Box - Line - Table - Rectangle - List - Image - Sub report - Actions (Drill downs. Open web pages) - Advanced Parameters - Stored Procedure Parameters - Cascading Parameters - Default Values - Multi value - Dropdown menu - Tablix and Matrix - Tablix - Matrix - Create a report with a matrix - Expressions, Functions, and Custom Code - Grouping - Filters - Sorting options - Charts - Gauges - Calendar - Maps - Administration - Report Manager portal - Report Server - Deploying - Configuration for Web - Subscriptions - Scheduled - Data Driven - Report Delivery Options