

MSBI Course Contents

Topic	Content
Introduction	Database, RDBMS, Normalization
	OLTP, Data Life Cycle
T-SQL	SQL History, Introduction to SSMS, SQL Architecture
	DB & Table Creation, Various Clauses & Basic Queries
	Joins, String & Date Functions, Data Types, Metadata Querying
	Various Operators, Set Functions, Top, distinct, count
	Conditional Statements, While Loop, Set Operations
	Constraints & Types, Add & Insert, Subqueries, CTE's
	Views, Stored Procedures & Functions
	Triggers, Cursors, Indexes
	Temporary Tables, Dynamic SQL, Error Handling
	Transactions, Bulk insertion
SSIS	OLAP, ETL, Introduction to SSIS, BIDS
	Fact & Dimension Tables, Star & Snow Flake Schema
	Packages, Tasks, Containers
	Control Flow Tasks, Expressions, variables, Connection Managers
	Data Flow Tasks, Sources, Destinations & Various types of Transformation
	Synchronous & Asynchronous Transformations
	Error Handling, Logging, Package Configurations
	Package Deployment
SSRS	Introduction to SSRS, Report Designer
	Data Sources, Data Sets
	Data Regions-Tablix, Matrix, Text Boxes etc.
	Expressions, Aggregations, Sorting
	Parameters & Filters, Dynamic Visibility
	Sub-Reports
	Report Deployment & Report Models
	Subscriptions