

# Microsoft SQL Server BI 2019, Part 4 of 7

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**Meet the expert:** Shiv is a seasoned Corporate Instructor and a Microsoft certified professional with 17 years of working and training experience on various Microsoft technologies like HTML5, CSS3, ASP.NET MVC, SQL Server, MSBI, WPF, VSTS, TFS, Design pattern, UML, BizTalk, SharePoint and Microsoft dynamics. He is ASP.NET MVP for 6 years, speaks at seminars and conducts training.

**Prerequisites:** knowledge of SQL, coding experience and knowledge of Microsoft tools.

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**Course description:** Microsoft SQL Server BI transforms raw data into information businesses can use to make decisions. This course combines SQL Server Integration Services, SQL Server Analysis Services and SQL Server Reporting Services in one course with a project. This course covers: Executing SQL Tasks, Relationships, Script tasks and components, Graphical Reports, Partitions and Additive Measures.

## Course outline:

### Execute SQL Task

- Introduction
- Introduction to Execute SQL Task
- Map Parameters
- SQL Query
- Foreach and Execute SQL
- Summary

- Bar Chart Gauge and Indicators
- Chart Component
- Chart Areas
- Gauges and Indicators
- Summary

### SSAS: Reference and Many-to-Many Relationships

- Introduction
- Regular Relationships
- Reference Relationship
- Many-to-Many Relationships
- Creating Many-to-Many Relationships
- Summary

### SSAS: Partitions

- Introduction
- Creating a Partition
- Partitioning for Efficiency
- Multiple Partitions
- Restrict Rows
- Processing Partitions
- Summary

### SSIS: Script Task and Send Mail Task

- Introduction
- Introduction to Script Task
- Send Mail Task
- Script Task
- Summary

### SSIS: Changed Data Capture

- Introduction
- Introduction to CDC
- CDC Configuration Process
- CDC Phase 1
- CDC Phase 2
- Update and Delete Syntax
- CDC Results
- Summary

### SSIS: Script Component

- Introduction
- Introduction to Script Component
- Edit Script for Source
- Data Transformation
- Split Data
- Script Component as Destination
- Debugging Script Component
- Summary

### SSAS: Additive Measures

- Introduction
- Additive Measures
- Semi-Additive Measures
- Non-Additive Measures
- Summary

### SSRS: Graphical Reports

- Introduction