

<https://www.ituonline.com/>

# Microsoft SQL Server 2019 Analysis Services (SSAS)

## Module 1 - Introduction to Business Intelligence and Data Modeling

- 1.1 Course Introduction
- 1.2 Module 1 Introduction
- 1.3 Introduction to Business Intelligence
- 1.4 The Microsoft Business Intelligence Platform
- 1.5 Exploring a Data Warehouse
- 1.6 Exploring a Data Model

## Module 2 - Multidimensional Databases

- 2.1 Module 2 Introduction
- 2.2 Introduction to Multidimensional Analysis
- 2.3 Overview of Cube Security
- 2.4 Creating and Configuring a Cube
- 2.5 Data Sources
- 2.6 Data Source Views
- 2.7 Adding a Dimension to a Cube

## Module 3 - Cubes and Dimensions

- 3.1 Module 3 Introduction
- 3.2 Dimensions
- 3.3 Attribute Hierarchies and Relationships
- 3.4 Sorting and Grouping Attributes
- 3.5 Slowly Changing Dimensions

## Module 4 - Measures and Measure Groups

- 4.1 Module 4 Introduction
- 4.2 Measures
- 4.3 Measure Groups and Relationships
- 4.4 Measure Group Storage

## Module 5 - Introduction to MDX

- 5.1 Module 5 Introduction
- 5.2 MDX Fundamentals
- 5.3 Adding Calculations to a Cube
- 5.4 Querying a cube using MDX

## Module 6 - Customizing Cube Functionality

- 6.1 Module 6 Introduction
- 6.2 Key Performance Indicators
- 6.3 Actions
- 6.4 Perspectives
- 6.5 Translations

## Module 7 - Tabular Data Models

- 7.1 Module 7 Introduction
- 7.2 Introduction to Tabular Data Models
- 7.3 Creating a Tabular Data Model
- 7.4 Configure Relationships and Attributes
- 7.5 Configuring Data Model for an Enterprise BI Solution

## Module 8 - Data Analysis Expressions (DAX)

- 8.1 Module 8 Introduction
- 8.2 DAX Fundamentals
- 8.3 Calculated Columns
- 8.4 Relationships
- 8.5 Measures
- 8.6 Time Intelligence
- 8.7 KPI
- 8.8 Parent - Child Hierarchies

## Module 9 - Data Mining

- 9.1 Module 9 Introduction
- 9.2 Overview of Data Mining
- 9.3 Custom Data Mining Solutions
- 9.4 Validating a Data Mining Model
- 9.5 Consuming a Data Mining Model
- 9.6 Course Wrap Up