

Microsoft SQL Server 2019 - Introduction to

Structured technical training and certification preparation

A practical, student-friendly outline covering query Tools, introduction to T-SQL Querying, basic SELECT Queries, querying Multiple Tables, and sorting and Filter...

MODULES

17

LESSONS

77

FORMAT

Self-paced

Module Breakdown

<p>MODULE 1</p> <p>Query Tools</p> <ul style="list-style-type: none"> 1.1 Course Introduction 1.2 Intro to Management Studio 1.3 Intro to command-line query tools 	<p>MODULE 2</p> <p>Introduction to T-SQL Querying</p> <ul style="list-style-type: none"> 2.1 Introducing T-SQL 2.2 Understanding Sets 2.3 Understanding the Logical Order of Operations in SELECT statements
<p>MODULE 3</p> <p>Basic SELECT Queries</p> <ul style="list-style-type: none"> 3.1 Writing Simple SELECT Statements 3.2 Eliminate Duplicates with DISTINCT 3.3 Using Column and Table Aliases 3.4 Write Simple CASE Expressions 	<p>MODULE 4</p> <p>Querying Multiple Tables</p> <ul style="list-style-type: none"> 4.1 Understanding Joins 4.2 Querying with Inner Joins 4.3 Querying with Outer Joins 4.4 Querying with Cross Joins and Self Joins
<p>MODULE 5</p> <p>Sorting and Filtering Data</p> <ul style="list-style-type: none"> 5.1 Sorting Data 5.2 Filtering Data with Predicates 5.3 Filtering with the TOP and OFFSET-FETCH 5.4 Working with Unknown Values 	<p>MODULE 6</p> <p>Introduction to Business Intelligence and Data Modeling</p> <ul style="list-style-type: none"> 6.1 Introduction to Business Intelligence 6.2 The Microsoft Business Intelligence Platform 6.3 Exploring a Data Warehouse 6.4 Exploring a Data Model

Module Breakdown (continued)

<p>MODULE 7</p> <p>Prepare Data</p> <ul style="list-style-type: none"> 7.1 Introduction to Power BI 7.2 Get data from various data sources 7.3 Preview source data 	<p>MODULE 8</p> <p>Clean, Transform, and Load Data</p> <ul style="list-style-type: none"> 8.1 Data Transformation Intro 8.2 Transformation Example 1 8.3 Transformation Example 2 8.4 Transformation Example 3 8.5 Transformation Example 4 8.6 Transformation Example 5 8.7 Transformation Example 6
<p>MODULE 9</p> <p>Design a Data Model</p> <ul style="list-style-type: none"> 9.1 Introduction to Data Modeling 9.2 Model Relationships 9.3 Table Configuration 9.4 Model interface 9.5 Quick Measures 9.6 Many-to-many relationships 9.7 Row-level security 	<p>MODULE 10</p> <p>Create Model Calculations using DAX</p> <ul style="list-style-type: none"> 10.1 DAX context 10.2 Calculated Tables 10.3 Calculated Columns 10.4 Managing Date Tables 10.5 Measures 10.6 Filter Manipulation 10.7 Time Intelligence
<p>MODULE 11</p> <p>Create Reports</p> <ul style="list-style-type: none"> 11.1 Basic Report Creation 11.2 Example Page 1 11.3 Example Page 2 11.4 Example Page 3 11.5 Report Publishing 11.6 Enhancing Reports 11.7 Drill-Through Pages 11.8 Conditional Formatting 11.9 Buttons and Bookmarks 	<p>MODULE 12</p> <p>Create Dashboards</p> <ul style="list-style-type: none"> 12.1 Dashboard Basics 12.2 Real Time Dashboards 12.3 Enhanced Dashboards
<p>MODULE 13</p> <p>Create Paginated Reports</p> <ul style="list-style-type: none"> 13.1 Introduction to Power BI Report Builder 13.2 Report Layouts 13.3 Report Data 13.4 Report Tables 	<p>MODULE 14</p> <p>Perform Advanced Analytics</p> <ul style="list-style-type: none"> 14.1 Introduction to Advanced Analytics 14.2 Scatter Chart 14.3 Forecast 14.4 Decomposition Tree 14.5 Key Influencers

Module Breakdown (continued)

<p>MODULE 15</p> <p>Create and Manage Workspaces</p> <p>15.1 Introduction to Workspaces 15.2 Working with Workspaces and the Portal</p>	<p>MODULE 16</p> <p>Create Power App Visuals</p> <p>16.1 Introduction to Power Apps Visual 16.2 Creating the App 16.3 Basic Power Apps Concepts 16.4 Refreshing the Report</p>
<p>MODULE 17</p> <p>Analysis Services and Power BI</p> <p>17.1 Introduction to Analysis Services 17.2 Connecting with Multidimensional Models 17.3 Premium Workspaces and Analysis Services 17.4 Course Wrap Up</p>	