

MSQ4-8 - MOC 20768 - DEVELOPING SQL DATA MODELS

Categoria: **SQL Server 2017 e 2016**

INFORMAZIONI SUL CORSO



Durata:
3 Giorni



Categoria:
SQL Server 2017 e
2016



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Sviluppatore



Produttore:
Microsoft

OBIETTIVI

Descrivere i componenti, l'architettura, e la natura di una soluzione di BI
Creare un database multidimensionale con servizi di analisi
Implementare dimensioni in un cubo
Implementare misure e gruppi di misure in un cubo
Utilizzare la sintassi MDX
Personalizzare un cubo
Implementare un database tabulare
Utilizzare DAX per interrogare un modello tabellare
Utilizzare il data mining per l'analisi predittiva

PREREQUISITI

Conoscenza di base del sistema operativo Microsoft Windows e delle sue funzionalità di base.
Conoscenza di Transact-SQL.
Conoscenza di database relazionali.

CONTENUTI

Module 1: Introduction to Business Intelligence and Data Modeling

Introduction to Business Intelligence
The Microsoft business intelligence platform

Lab : Exploring a Data Warehouse

After completing this module, you will be able to:
Describe the concept of business intelligence
Describe the Microsoft business intelligence platform

Module 2: Creating Multidimensional Databases

Introduction to multidimensional analysis
Creating data sources and data source views
Creating a cube
Overview of cube security

Lab : Creating a multidimensional database

After completing this module, you will be able to:
Use multidimensional analysis

Create data sources and data source views

Create a cube

Describe cube security

Module 3: Working with Cubes and Dimensions

Configuring dimensions

Define attribute hierarchies

Sorting and grouping attributes

Lab : Working with Cubes and Dimensions

After completing this module, you will be able to:

Configure dimensions

Define attribute hierarchies.

Sort and group attributes

Module 4: Working with Measures and Measure Groups

Working with measures

Working with measure groups

Lab : Configuring Measures and Measure Groups

After completing this module, you will be able to:

Work with measures

Work with measure groups

Module 5: Introduction to MDX

MDX fundamentals

Adding calculations to a cube

Using MDX to query a cube

Lab : Using MDX

After completing this module, you will be able to:

Describe the fundamentals of MDX

Add calculations to a cube

Query a cube using MDX

Module 6: Customizing Cube Functionality

Implementing key performance indicators

Implementing actions

Implementing perspectives

Implementing translations

Lab : Customizing a Cube

After completing this module, you will be able to:

Implement key performance indicators

Implement actions

Implement perspectives

Implement translations

Module 7: Implementing a Tabular Data Model by Using Analysis Services

Introduction to tabular data models

Creating a tabular data model

Using an analysis services tabular model in an enterprise BI solution

Lab : Working with an Analysis services tabular data model

After completing this module, you will be able to:

Describe tabular data models

Create a tabular data model

Be able to use an analysis services tabular data model in an enterprise BI solution

Module 8: Introduction to Data Analysis Expression (DAX)

DAX fundamentals

Using DAX to create calculated columns and measures in a tabular data model

Lab : Creating Calculated Columns and Measures by using DAX

After completing this module, you will be able to:

Describe the fundamentals of DAX

Use DAX to create calculated columns and measures in a tabular data model

Module 9: Performing Predictive Analysis with Data Mining

Overview of data mining

Using the data mining add-in for Excel

Creating a custom data mining solution

Validating a data mining model

Connecting to and consuming a data mining model

Lab : Perform Predictive Analysis with Data Mining

After completing this module, you will be able to:

Describe data mining

Use the data mining add-in for Excel

Create a custom data mining solution

Validate a data mining solution

Connect to and consume a data mining solution

INFO

Materiale didattico: Materiale didattico in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)