

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 e relativo prezzo da concordare

Costo materiale didattico: NON incluso nel prezzo del corso

Natura del corso: Operativo (previsti lab su PC)