SQL Server 2012 Analysis Services:
Table of Contents

INTRODUCTION INTRO-1

Prerequisites Intro-2

Installing the Practice Files Intro-3

Software Requirements Intro-3

Security Intro-4

A Word about the Sample Files Intro-6

Sample Databases and Code Intro-8

Sample Code Installation Intro-15

About the Author Intro-16

THE DATA WAREHOUSE MODEL 1-1

Requirements and Documentation 1-2

Questions You Might Hear 1-2

Documenting Requirements 1-3

Basics of Dimensional Modeling 1-6

Why use a Data Warehouse 1-6

Defining Dimensions 1-8

Facts and Measures 1-11

Using SQL Server Data Tools 1-13

WHAT IS MICROSOFT BUSINESS INTELLIGENCE (MSBI)? 2-1

What is MSBI? 2-2

Analysis Services 2012 2-4

Benefiting from SSAS Databases 2-4

Building an Analysis Service Database 2-7

Dimensional Model 2-8

Star and Snowflake Schemas 2-10

MSBI Future 2-13

Previewing a Multidimensional Cube 2-14

BUILDING A MULTIDIMENSIONAL CUBE WITH SSDT 3-1

Understanding the SSDT Environment 3-3

Offline vs. Online Mode 3-3

Analysis Service database Project/Solution 3-4

Creating a Data Source 3-7

Copyright © 2016 LearnNow, LLC
All rights reserved. Reproduction is strictly prohibited.

Building a Data Source View 3-11
Using the Dimension Wizard 3-16
Adding Measures with the Cube Wizard 3-23
Refining the Project 3-29
Refining a Dimension 3-29
Refining a Cube 3-40

LAB 3: USING SSDT TO BUILD A MULTIDIMENSIONAL CUBE 3-49
Lab 1 Overview 3-50
Refining the Product Dimension 3-51
Refine Cube Measure Groups and Measures 3-57

MULTIDIMENSIONAL CUBE: INTERMEDIATE ENHANCEMENTS 4-1
Enhancements to Dimension Hierarchies and Attributes 4-3
Attribute Hierarchies 4-3
Attribute Relationship 4-4
Relationship Types 4-6
Attribute Uniqueness 4-7
Dimension Attribute Properties 4-10
Creating Calculations 4-16
Measuring Trends with Key Performance Indicators (KPIs) 4-21
Named Sets and Perspectives 4-23
Creating Globalization with Translations 4-26

LAB 4: MULTIDIMENSIONAL CUBE: INTERMEDIATE ENHANCEMENTS 4-33
Lab 4 Overview 4-34
Add Products by Category to Product Dimension 4-35
Adding New Measures and a Calculation to Cube 4-39
Adding a Perspective and Names Set to the Cube 4-45

Copyright © 2016 LearnNow, LLC
All rights reserved. Reproduction is strictly prohibited.